Air Conditioners

Technical Data

Pair application

EEDEN11-100

RXS-J

DAIKIN

Air Conditioners

Technical Data

Pair application

EEDEN11-100

RXS-J

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RXS-J

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1 Features

- Energy efficient units: up to class A energy labels
- Outdoor unit silent operation: "silent" button on the remote control lowers the operation sound of the outdoor unit by 3dBA to ensure a quiet environment for the neighbourhood.
- Outdoor units for pair application
- Energy efficient units: full range A class energy labels
- Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- Energy saving during standby mode: reduces current consumption by about 80% when operating In standby. If no people are detected for more than 20 minutes, the system will automatically switch to the current-saving mode.
- Outdoor unit silent operation: "silent" button on the remote control lowers the operation sound of the outdoor unit by 3dBA to ensure a quiet environment for the neighbourhood.
- Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency

2 Specifications

2-1 Nominal Capacity And Nominal Input				FTXS20J2V1B / RXS20J2V1B	FTXS25J2V1B / RXS25J2V1B	FTXS35J2V1B / RXS35J2V1B	FTXS42J2V1B / RXS42J2V1B	FTXS50J2V1B / RXS50J2V1B
Cooling capacity	Min.		kW	1.3	1.3	1.4	1.7	1.7
			Btu/h	4,400	4,400	4,800	5,800	5,800
			kcal/h	1,120	1,120	1,200	1,460	1,460
	Nom.		kW	2.0 (3)	2.5 (3)	3.5 (3)	4.2 (3)	5.0 (3)
			Btu/h	6,800 (3)	8,500 (3)	11,900 (3)	14,300 (3)	17,100 (3)
			kcal/h	1,720 (3)	2,150 (3)	3,010 (3)	3,010 (3)	4,300 (3)
	Max.		kW	2.8	3.2	4.0	5.0	5.3
			Btu/h	9,600	10,900	13,600	17,100	18,100
			kcal/h	2,410	2,750	3,440	4,300	4,560
Heating capacity	Min.		kW	1.3	1.3	1.4	1.7	1.7
			Btu/h	4,400	4,400	4,800	5,800	5,800
			kcal/h	1,120	-	1,200	1,460	1,460
	Nom.		kW	2.7 (4)	3.3	4.0 (4)	5.4 (4)	5.8 (4)
			Btu/h	9,200 (4)	11,600 (4)	13,600 (4)	18,400 (4)	19,800 (4)
			kcal/h	2,320 (4)	-	3,440 (4)	3,440 (4)	4,990 (4)
	Max.		kW	4.3	4.7	5.2	6.0	6.5
			Btu/h	14,700	16,000	17,700	20,500	22,200
			kcal/h	3,700	-	4,470	5,160	5,590
Power input	Cooling	Min.	kW	0.32	0.320	0.350	0.440	0.440
		Nom.	kW	0.450	0.535	0.860	1.210	1.460
		Max.	kW	0.810	0.810	1.190	2.330	1.810
	Heating	Min.	kW	0.310	-	0.340	0.400	0.400
		Nom.	kW	0.610	0.71	0.950	1.450	1.530
		Max.	kW	1.290	-	1.460	1.980	2.000
EER				4.44	4.63	4.07	3.47	3.42
COP				4.43	4.65	4.21	3.72	3.79
Annual energy consumption			kWh	225	270	430	605	730
Energy label	Cooling			A	A	A	A	A
	Heating			A	A	A	A	A
Piping connections	Liquid	OD	mm	6.35	6.35	6.35	6.35	6.35
	Gas	OD	mm	9.52	9.52	9.52	9.52	12.7
	Drain	OD	mm	18.0	18.0	18.0	18.0	18.0
	Heat insulation			Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes

Notes

(1) Energy label: scale from A (most efficient) to G (less efficient)

(2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions)

(3) Cooling: indoor temp. 27ºCDB, 19.0ºCWB; outdoor temp. 35ºCDB, 24ºCWB; equivalent piping length: 5m

(4) Heating: indoor temp. 20ºCDB; outdoor temp. 7ºCDB, 6ºCWB; equivalent refrigerant piping: 5m

2-2 Technical Specifications				RXS25J2V1B	RXS42J2V1B	RXS20J2V1B	RXS35J2V1B	RXS50J2V1B
Casing	Colour			Ivory white	Ivory white	Ivory white	Ivory white	Ivory white
Dimensions	Unit	Height	mm	550	550	550	550	735
		Width	mm	765	765	765	765	825
		Depth	mm	285	285	285	285	300
	Packed unit	Height	mm	612	612	612	612	797
		Width	mm	906	906	906	906	960
		Depth	mm	364	364	364	364	390
Weight	Unit		kg	34	39	32	34	48
	Packed unit		kg	38	45	35	38	53

2 Specifications

2-2 Technical Specifications						RXS25J2V1B	RXS42J2V1B	RXS20J2V1B	RXS35J2V1B	RXS50J2V1B
Heat exchanger	Length				mm	805	810	828	805	845
	Rows	Quantity				2	2	1	2	2
	Fin pitch				mm	1.4	1.5	1.4	1.4	1.8
	Stages	Quantity				24	24	24	24	32
	Tube type					ø7 Hi-XA	ø8 Hi-XA	ø7 Hi-XA	ø7 Hi-XA	ø8 Hi-XA
	Fin	Type				Waffle louvered fin	Waffle louvered fin	Waffle louvered fin	Waffle louvered fin	Waffle louvered fin
		Treatment				Anti-corrosion treatment (PE)	Anti-corrosion treatment (PE)	Anti-corrosion treatment (PE)	Anti-corrosion treatment (PE)	Anti-corrosion treatment (PE)
Fan	Type					Propeller fan	Propeller fan	Propeller fan	Propeller fan	Propeller fan
	Air flow rate	Cooling	High		m^3/min	33.5	37.3	36.2	36.0	50.9
					cfm	1,183	1,317	1,278	1,271	1,797
			Super Low		m^3/min	32.7	30.1	30.1	30.6	48.9
					cfm	1,155	1,063	1,063	1,080	1,727
		Heating	High		m^3/min	28.3	31.3	30.6	28.3	45.0
					cfm	999	1,105	1,080	999	1,589
			Super Low		m^3/min	28.5	25.6	25.6	27.2	43.1
					cfm	1,006	904	904	960	1,522
Fan motor	Model					D23H-28	D50R-28	D23H-28	D23H-28	KFD-380-50-8C
	Output				W	23	50	23	23	53
	Speed	Cooling	High		rpm	860	890	860	920	780
		Heating	High		rpm	860	890	860	860	720
Sound power level	Cooling	High			dBA	61	63	61	63	63
Sound pressure level	Cooling	High			dBA	46	48	46	48	48
		Silent operation			dBA	43	44	43	44	44
	Heating	High			dBA	47	48	47	48	48
		Silent operation			dBA	44	45	44	45	45
Compressor	Model					1YC23AEXD	2YC36BXD	1YC23AEXD	1YC23AEXD	2YC36BXD
	Type					Hermetically sealed swing compressor	Hermetically sealed swing compressor	Hermetically sealed swing compressor	Hermetically sealed swing compressor	Hermetically sealed swing compressor
	Output				W	600	1,100	600	600	1,100
Operation range	Cooling	Ambient	Min.		ºCDB	-10 (0.000)	-10 (0.000)	-10 (0.000)	-10 (0.000)	-10 (0.000)
			Max.		ºCDB	46 (0.000)	46 (0.000)	46 (0.000)	46 (0.000)	46 (0.000)
	Heating	Ambient	Min.		ºCWB	-15	-15	-15	-15	-15
			Max.		ºCWB	18	18	18	18	18
Refrigerant	Type					R-410A	R-410A	R-410A	R-410A	R-410A
	Charge				kg	1.0	1.3	0.8	1.2	1.7
Refrigerant oil	Type					FVC50K	FVC50K	FVC50K	FVC50K	FVC50K
	Charged volume				l	0.375	0.65	0.375	0.375	0.65
Piping connections	Liquid	OD			mm	6.35	6.35	6.35	6.35	6.35
	Gas	OD			mm	9.52	9.52	9.52	9.52	12.7
	Drain	Type				Hole	Hole	Hole	Hole	Hole
	Level difference	IU - OU	Max.		m	15	15	15	15	20
	Heat insulation					Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes	Both liquid and gas pipes

2-3 Electrical Specifications				RXS25J2V1B	RXS42J2V1B	RXS20J2V1B	RXS35J2V1B	RXS50J2V1B
Power supply	Phase			1~	1~	1~	1~	1~
	Frequency		Hz	50	50	50	50	50
	Voltage		V	220-240	220-240	220-240	220-240	220-240
Current	Nominal running current (RLA)	Cooling	A	3.0 (1) 2.8 (2) 2.7 (3)	6.0 (1) 5.7 (2) 5.5 (3)	2.5 (1) 2.4 (2) 2.3 (3)	4.3 (1) 4.1 (2) 3.9 (3)	6.7 (1) 6.4 (2) 6.1 (3)
		Heating	A	3.9 (1) 3.8 (2) 3.6 (3)	7.1 (1) 6.8 (2) 6.5 (3)	3.4 (1) 3.3 (2) 3.1 (3)	4.7 (1) 4.5 (2) 4.3 (3)	7.0 (1) 6.7 (2) 6.4 (3)
	Starting current	Cooling	A	4.0	7.2	3.5	4.8	7.1
		Heating	A	4.0	7.2	3.5	4.8	7.1
Wiring connections	For power supply	Quantity		3	3	3	3	3
	For connection with indoor	Quantity		4	4	4	4	4
		Remark		Earth wire included	Earth wire included	Earth wire included	Earth wire included	Earth wire included

Notes

(1) 220V, (2) 230V, (3) 240V

3 Electrical data

3 - 1 Electrical Data

RXS20J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS20J2V1B	RXS20J2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	34	2.1 2.0 1.9	23	0.23	23	0.15

NOTES

1. RLA is based on the following conditions,
   Indoor temp. 27°C DB/19.0 °C WB.
   Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)
RHz : Rated Operating Frequency (Hz)

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RXS25J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS25J2V1B	RXS25J2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	45	2.6 2.4 2.3	23	0.23	23	0.15
FVXS25FV1B	RXS25J2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	46	3.0 2.8 2.7	23	0.23	48	0.05
FFQ25B8V1B	RXS25J2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50 Hz 198V	9.75	10	46	2.4 2.3 2.1	23	0.23	55	0.60
FLXS25BAVMB	RXS25J2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50 Hz 198V	9.75	10	46	2.7 2.5 2.4	23	0.23	34	0.34
FDXS25E7VMB	RXS25J2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50 Hz 198V	9.75	10	46	2.5 2.4 2.2	23	0.23	62	0.50

NOTES

1. RLA is based on the following conditions,
   Indoor temp. 27°C DB/19.0 °C WB.
   Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)
RHz : Rated Operating Frequency (Hz)

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3 Electrical data

3 - 1 Electrical Data

RXS35J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS352JV1B	RXS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	65	3.9	23	0.23	23	0.15
		50 - 230					3.7				
		50 - 240					3.5				
FVXS35FV1B	RXS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.8	23	0.23	48	0.05
		50 - 230					4.6				
		50 - 240					4.4				
FFQ35B8V1B	RXS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	9.75	10	66	4.3	23	0.23	55	0.05
		50 - 230					4.1				
		50 - 240					3.9				
FHQ35BVV1B	RXS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50 Hz 198V	9.75	10	66	4.3	23	0.23	62	0.60
		50 - 230					4.1				
		50 - 240					3.9				
FBQ35C7VEB	RXS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50 Hz 198V	9.75	10	66	4.4	23	0.23	65	0.60
		50 - 230					4.2				
		50 - 240					4.0				
FLXS35BAVMB	RXS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50 Hz 198V	9.75	10	66	4.5	23	0.23	34	0.34
		50 - 230					4.3				
		50 - 240					4.1				
FDXS35E7VMB	RXS35J2V1B	50 - 220	Max. 50Hz 264V Min. 50 Hz 198V	9.75	10	66	4.4	23	0.23	62	0.50
		50 - 230					4.2				
		50 - 240					4.0				

NOTES

1. RLA is based on the following conditions,
   Indoor temperature, 27°C DB/19.0 °C WB.
   Outdoor temperature, 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps. (A)
MFA : Max. Fuse Amps. (A)
RLA : Rated Load Amps. (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps. (A)
W : Fan Motor Rated Output (W)
RHz : Rated Operating Frequency (Hz)

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RXS42J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS42J2V1B	RXS42J2V1B	50 - 220	Max. 50Hz 264V Min. 50Hz 198V	14.75	20	57	5.6	50	0.23	23	0.15
		50 - 230					5.3				
		50 - 240					5.1				

NOTES

1. RLA is based on the following conditions,
   Indoor temp. 27°C DB/19.0 °C WB.
   Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)
RHz : Rated Operating Frequency (Hz)

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3 Electrical data

3 - 1 Electrical Data

RXS50J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FTXS50J2V1B	RXS50J2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	66	6.3 6.0 5.7	53	0.27	23	0.15
FVXS50FV1B	RXS50J2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	69	6.7 6.3 6.1	53	0.27	48	0.10

NOTES

1. RLA is based on the following conditions,
   Indoor temp. 27°C DB/19.0 °C WB.
   Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)
RHz : Rated Operating Frequency (Hz)

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RXS50J2V1B

Representative Unit Combination		Power Supply				Comp		OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RHz	RLA	W	FLA	W	FLA
FLXS50BAVMB	RXS50J2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	73	7.1	53	0.27	34	0.54
FDXS50C7VMB	RXS50J2V1B	50 - 220 50 - 230 50 - 240	Max. 50Hz 264V Min. 50Hz 198V	19.75	20	74	6.8	53	0.27	130	0.70

NOTES

1. RLA is based on the following conditions,
   Indoor temp. 27°C DB/19.0 °C WB.
   Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)
RHz : Rated Operating Frequency (Hz)

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3 Electrical data

3 - 1 Electrical Data

RXS50J2V1B

Representative Unit Combination		Power Supply				Comp	OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RLA	W	FLA	W	FLA
FHQ50BVV1B	RXS50J2V1B	50 - 220	Max. 50 Hz 264V Min. 50Hz 198V	19.75	20	7.5	53	0.27	62	0.60
		50 - 230								
		50 - 240								
FFQ50B8V1B	RXS50J2V1B	50 - 220	Max. 50 Hz 264V Min. 50Hz 198V	19.75	20	7.43	53	0.27	55	0.70
		50 - 230								
		50 - 240								

Minimum Ssc value	kVA	Equipement complying with EN61000-3-12

NOTES

1. RLA is based on the following conditions,
   Indoor temp. 27°C DB/19.0 °C WB.
   Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)

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RXS50J2V1B

Representative Unit Combination		Power Supply				Comp	OFM		IFM	
Indoor Unit	Outdoor Unit	Hz - Volts	Voltage Range	MCA	MFA	RLA	W	FLA	W	FLA
FCQ50C8VEB	RXS50J2V1B	50 - 220	Max. 50 Hz 264V Min. 50Hz 198V	19.75	20	6.0	53	0.27	56	0.30
		50 - 230				5.7				
		50 - 240				5.4				

Minimum Ssc value	kVA	Equipement complying with EN61000-3-12

NOTES

1. RLA is based on the following conditions,
   Indoor temp. 27°C DB/19.0 °C WB.
   Outdoor temp. 35°C DB.
2. Maximum allowable voltage variation between phases is 2%.
3. Select wire size based on the larger value of MCA.
4. Instead of fuse, use circuit breaker.

SYMBOLS

MCA : Min. Circuit Amps (A)
MFA : Max. Fuse Amps (A)
RLA : Rated Load Amps (A)
OFM : Outdoor Fan Motor
IFM : Indoor Fan Motor
FLA : Full Load Amps (A)
W : Fan Motor Rated Output (W)

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS20J2V1B + RXS20J2V1B

Cooling **50 Hz 220V-240V**

AFR	9.4
BF	0.14

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.05	1.84	0.35	1.96	1.80	0.38	1.86	1.76	0.41	1.83	1.74	0.43	1.77	1.71	0.45	1.68	1.67	0.48
16.0	22	2.14	1.81	0.35	2.05	1.77	0.38	1.95	1.73	0.41	1.92	1.72	0.43	1.86	1.69	0.45	1.77	1.66	0.48
18.0	25	2.23	1.94	0.35	2.14	1.90	0.38	2.05	1.87	0.42	2.01	1.85	0.43	1.95	1.83	0.45	1.86	1.80	0.48
19.0	27	2.28	2.09	0.35	2.19	2.05	0.38	2.09	2.02	0.42	2.06	2.00	0.43	2.00	1.98	0.45	1.91	1.95	0.48
22.0	30	2.42	2.03	0.35	2.32	2.00	0.39	2.23	1.97	0.42	2.19	1.96	0.43	2.14	1.94	0.45	2.05	1.91	0.49
24.0	32	2.51	1.99	0.36	2.42	1.96	0.39	2.32	1.93	0.42	2.29	1.92	0.44	2.23	1.91	0.45	2.14	1.88	0.49

Heating **50 Hz 220V-240V**

AFR	9.9

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	1.82	0.52	2.12	0.54	2.43	0.57	2.79	0.60	3.04	0.62
20.0	1.72	0.53	2.03	0.55	2.33	0.58	2.70	0.61	2.94	0.63
22.0	1.69	0.54	1.99	0.56	2.30	0.59	2.66	0.62	2.91	0.64
24.0	1.65	0.54	1.95	0.57	2.26	0.59	2.63	0.62	2.87	0.64
25.0	1.63	0.54	1.94	0.57	2.24	0.59	2.61	0.62	2.85	0.64
27.0	1.59	0.55	1.90	0.57	2.20	0.60	2.57	0.63	2.81	0.65

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions.
   Corresponding refrigerant piping lenght: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS25J2V1B + RXS25J2V1B

Cooling **50 Hz 220V-240V**

AFR	10.8
BF	0.16

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.56	2.18	0.41	2.44	2.13	0.45	2.33	2.08	0.49	2.28	2.05	0.51	2.21	2.02	0.53	2.10	1.97	0.57
16.0	22	2.68	2.15	0.41	2.56	2.10	0.45	2.44	2.05	0.49	2.40	2.03	0.51	2.33	2.00	0.53	2.21	1.95	0.57
18.0	25	2.79	2.29	0.42	2.68	2.24	0.45	2.56	2.20	0.49	2.51	2.18	0.51	2.44	2.15	0.53	2.33	2.10	0.57
19.0	27	2.85	2.45	0.42	2.73	2.41	0.46	2.62	2.36	0.50	2.57	2.34	0.51	2.50	2.32	0.54	2.38	2.27	0.57
22.0	30	3.02	2.38	0.42	2.91	2.34	0.46	2.79	2.30	0.50	2.74	2.28	0.51	2.67	2.26	0.54	2.56	2.22	0.58
24.0	32	3.14	2.33	0.42	3.02	2.29	0.46	2.90	2.26	0.50	2.86	2.24	0.52	2.79	2.22	0.54	2.67	2.19	0.58

Heating **50 Hz 220V-240V**

AFR	11.9

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.22	0.60	2.59	0.63	2.97	0.66	3.41	0.69	3.71	0.72
20.0	2.11	0.62	2.48	0.65	2.85	0.67	3.30	0.71	3.60	0.73
22.0	2.06	0.62	2.43	0.65	2.81	0.68	3.25	0.72	3.55	0.74
24.0	2.02	0.63	2.39	0.66	2.76	0.69	3.21	0.72	3.51	0.75
25.0	1.99	0.63	2.37	0.66	2.74	0.69	3.19	0.73	3.48	0.75
27.0	1.95	0.64	2.32	0.67	2.69	0.70	3.14	0.73	3.44	0.76

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions.
   Corresponding refrigerant piping lenght: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ25B8V1B + RXS25J2V1B

Cooling **50 Hz 220V-240V**

AFR	9
BF	0.24

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.56	1.95	0.56	2.44	1.89	0.61	2.33	1.84	0.67	2.28	1.81	0.69	2.21	1.78	0.72	2.10	1.72	0.78
16.0	22	2.68	1.92	0.56	2.56	1.86	0.62	2.44	1.81	0.67	2.40	1.79	0.69	2.33	1.76	0.73	2.21	1.71	0.78
18.0	25	2.79	2.01	0.57	2.68	1.96	0.62	2.56	1.92	0.67	2.51	1.90	0.70	2.44	1.87	0.73	2.33	1.82	0.78
19.0	27	2.85	2.13	0.57	2.73	2.08	0.62	2.62	2.04	0.68	2.57	2.02	0.70	2.50	1.99	0.73	2.38	1.94	0.78
22.0	30	3.02	2.06	0.57	2.91	2.02	0.63	2.79	1.97	0.68	2.74	1.96	0.70	2.67	1.93	0.73	2.56	1.89	0.79
24.0	32	3.14	2.01	0.58	3.02	1.97	0.63	2.90	1.93	0.68	2.86	1.91	0.71	2.79	1.89	0.74	2.67	1.85	0.79

Heating **50 Hz 220V-240V**

AFR	9

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.15	0.78	2.52	0.82	2.88	0.85	3.31	0.90	3.60	0.93
20.0	2.04	0.80	2.41	0.84	2.77	0.87	3.20	0.92	3.49	0.95
22.0	2.00	0.81	2.36	0.84	2.72	0.88	3.16	0.93	3.44	0.96
24.0	1.96	0.82	2.32	0.85	2.68	0.89	3.11	0.94	3.40	0.97
25.0	1.93	0.82	2.29	0.86	2.66	0.90	3.09	0.94	3.38	0.97
27.0	1.89	0.83	2.25	0.87	2.61	0.90	3.05	0.95	3.33	0.98

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Capacities are based on the following conditions.
   (1) Corresponding refrigerant piping lenght: 5m
   (2) Level difference: 0m
2. ☐ shows nominal (rated) capacities and power input.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS25BAVMB + RXS25J2V1B

Cooling **220V-240V 50 Hz**

AFR	7.6
BF	0.32

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.52	1.77	0.49	2.44	1.73	0.55	2.33	1.67	0.59	2.28	1.65	0.61	2.21	1.61	0.64	2.10	1.55	0.69
16.0	22	2.68	1.76	0.50	2.56	1.71	0.55	2.44	1.65	0.60	2.40	1.63	0.62	2.33	1.59	0.65	2.21	1.54	0.69
18.0	25	2.79	1.83	0.50	2.68	1.78	0.55	2.56	1.72	0.60	2.51	1.70	0.62	2.44	1.67	0.65	2.33	1.62	0.70
19.0	27	2.85	1.91	0.51	2.73	1.86	0.55	2.62	1.81	0.60	2.57	1.79	0.62	2.50	1.76	0.65	2.38	1.71	0.70
22.0	30	3.02	1.84	0.51	2.91	1.79	0.56	2.79	1.75	0.61	2.74	1.73	0.63	2.67	1.70	0.65	2.56	1.66	0.70
24.0	32	3.14	1.79	0.51	3.02	1.74	0.56	2.90	1.70	0.61	2.86	1.68	0.63	2.79	1.66	0.66	2.67	1.62	0.71

Heating **220V-240V 50 Hz**

AFR	9.2

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.29	0.83	2.67	0.87	3.06	0.91	3.52	0.96	3.82	0.99
20.0	2.17	0.85	2.56	0.89	2.94	0.93	3.40	0.98	3.71	1.01
22.0	2.12	0.86	2.51	0.90	2.89	0.94	3.35	0.99	3.66	1.02
24.0	2.08	087	2.46	0.91	2.85	0.95	3.31	1.00	3.61	103
25.0	2.05	0.87	2.44	0.91	2.82	0.95	3.28	1.00	3.59	1.03
27.0	2.01	0.88	2.39	0.92	2.77	0.96	3.24	1.01	3.54	1.04

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Capacities are based on the following conditions.
   (1) Corresponding refrigerant piping lenght: 5m
   (2) Level difference: 0m
2. ▭ shows nominal (rated) capacities and power input.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXS25FV1B + RXS25J2V1B

Cooling **50 Hz 220V-240V**

AFR	8.2
BF	0.10

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.56	2.00	0.44	2.44	1.95	0.48	2.33	1.89	0.52	2.28	1.87	0.54	2.21	1.84	0.56	2.10	1.78	0.61
16.0	22	2.68	1.97	0.44	2.56	1.92	0.48	2.44	1.87	0.52	2.40	1.84	0.54	2.33	1.81	0.57	2.21	1.76	0.61
18.0	25	2.79	2.08	0.44	2.68	2.03	0.48	2.56	1.98	0.53	2.51	1.96	0.54	2.44	1.93	0.57	2.33	1.89	0.61
19.0	27	2.85	2.21	0.44	2.73	2.16	0.49	2.62	2.11	0.53	2.57	2.09	0.54	2.50	2.07	0.57	2.38	2.02	0.61
22.0	30	3.02	2.13	0.45	2.91	2.09	0.49	2.79	2.05	0.53	2.74	2.03	0.55	2.67	2.01	0.57	2.56	1.97	0.62
24.0	32	3.14	2.08	0.45	3.02	2.04	0.49	2.90	2.01	0.53	2.86	1.99	0.55	2.79	1.97	0.58	2.67	1.93	0.62

Heating **50 Hz 220V-240V**

AFR	8.8

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.29	0.67	2.67	0.70	3.06	0.73	3.52	0.77	3.82	0.80
20.0	2.17	0.69	2.56	0.72	2.94	0.75	3.40	0.79	3.71	0.82
22.0	2.12	0.69	2.51	0.73	2.89	0.76	3.35	0.80	3.66	0.82
24.0	2.08	0.70	2.46	0.73	2.85	0.77	3.31	0.80	3.61	0.83
25.0	2.05	0.70	2.44	0.74	2.82	0.77	3.28	0.81	3.59	0.83
27.0	2.01	0.71	2.39	0.74	2.77	0.78	3.24	0.81	3.54	0.84

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Capacities are based on the following conditions.
   (1) Corresponding refrigerant piping lenght: 5m
   (2) Level difference: 0m
2. ☐ shows nominal (rated) capacities and power input.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXS35FV1B + RXS35J2V1B

Cooling **50 Hz 220V-240V**

AFR	8.5
BF	0.11

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.59	2.54	0.78	3.42	2.46	0.86	3.26	2.37	0.93	3.19	2.34	0.96	3.10	2.29	1.01	2.93	2.21	1.08
16.0	22	3.75	2.50	0.79	3.58	2.42	0.86	3.42	2.34	0.94	3.36	2.31	0.97	3.26	2.26	1.01	3.10	2.18	1.09
18.0	25	3.91	2.60	0.79	3.75	2.52	0.87	3.58	2.45	0.94	3.52	2.42	0.97	3.42	2.37	1.02	3.26	2.30	1.09
19.0	27	3.99	2.72	0.79	3.83	2.65	0.87	3.66	2.57	0.94	3.60	2.55	0.97	3.50	2.50	1.02	3.34	2.43	1.10
22.0	30	4.23	2.61	0.80	4.07	2.55	0.88	3.90	2.49	0.95	3.84	2.46	0.98	3.74	2.43	1.03	3.58	2.36	1.10
24.0	32	4.39	2.54	0.81	4.23	2.48	0.88	4.07	2.42	0.96	4.00	2.40	0.99	3.90	2.37	1.03	3.74	2.31	1.11

Heating **50 Hz 220V-240V**

AFR	9.4

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.03	1.03	3.54	1.08	4.05	1.13	4.66	1.19	5.06	1.23
20.0	2.87	1.06	3.38	1.11	3.89	1.16	4.50	1.22	4.91	1.26
22.0	2.81	1.07	3.32	1.12	3.83	1.17	4.44	1.23	4.84	1.27
24.0	2.75	1.08	3.26	1.13	3.77	1.18	4.38	1.24	4.78	1.28
25.0	2.72	1.09	3.23	1.14	3.73	1.19	4.34	1.25	4.75	1.29
27.0	2.66	1.10	3.16	1.15	3.67	1.20	4.28	1.26	4.69	1.30

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Capacities are based on the following conditions.
   (1) Corresponding refrigerant piping lenght: 5m
   (2) Level difference: 0m
2. ☐ shows nominal (rated) capacities and power input.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBQ35C7VEB + RXS35J2V1B

Cooling **50 Hz 220V-240V**

AFR	11.5
BF	0.15

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.48	2.70	0.90	3.33	2.62	0.98	3.17	2.55	1.07	3.10	2.52	1.11	3.01	2.47	1.16	2.85	2.40	1.24
16.0	22	3.64	2.65	0.90	3.48	2.58	0.99	3.32	2.51	1.08	3.26	2.48	1.11	3.17	2.44	1.16	3.01	2.37	1.25
18.0	25	3.80	2.80	0.91	3.64	2.73	0.99	3.48	2.66	1.08	3.42	2.64	1.12	3.32	2.60	1.17	3.16	2.53	1.25
19.0	27	3.87	2.96	0.91	3.72	2.90	1.00	3.56	2.84	1.08	3.49	2.81	1.12	3.40	2.77	1.17	3.24	2.71	1.26
22.0	30	4.11	2.86	0.92	3.95	2.81	1.00	3.79	2.75	1.09	3.73	2.73	1.13	3.63	2.70	1.18	3.48	2.64	1.26
24.0	32	4.27	2.79	0.92	4.11	2.74	1.01	3.95	2.69	1.10	3.89	2.67	1.13	3.79	2.64	1.18	3.63	2.59	1.27

Heating **50 Hz 220V-240V**

AFR	11.5

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	1.03	3.14	1.08	3.60	1.13	4.14	1.19	4.50	1.23
20.0	2.55	1.06	3.01	1.11	3.46	1.16	4.00	1.22	4.36	1.26
22.0	2.50	1.07	2.95	1.12	3.40	1.17	3.94	1.23	4.31	1.27
24.0	2.44	1.08	2.90	1.13	3.35	1.18	3.89	1.24	4.25	1.28
25.0	2.42	1.09	2.87	1.14	3.32	1.19	3.86	1.25	4.22	1.29
27.0	2.36	1.10	2.81	1.15	3.26	1.20	3.81	1.26	4.17	1.30

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Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Capacities are based on the following conditions.
   (1) Corresponding refrigerant piping lenght: 5m
   (2) Level difference: 0m
2. ☐ shows nominal (rated) capacities and power input.

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS35E7VMB + RXS35J2V1B

Cooling **220V-240V 50Hz**

AFR	8.7
BF	0.17

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.48	2.46	0.84	3.33	2.38	0.92	3.17	2.30	1.00	3.10	2.26	1.03	3.01	2.21	1.08	2.85	2.13	1.16
16.0	22	3.64	2.42	0.84	3.48	2.34	0.92	3.32	2.26	1.00	3.26	2.23	1.03	3.17	2.19	1.08	3.01	2.11	1.16
18.0	25	3.80	2.51	0.85	3.64	2.44	0.93	3.48	2.37	1.01	3.42	2.34	1.04	3.32	2.30	1.09	3.16	2.22	1.17
19.0	27	3.87	2.63	0.85	3.72	2.56	0.93	3.56	2.49	1.01	3.49	2.46	1.04	3.40	2.42	1.09	3.24	2.35	1.17
22.0	30	4.11	2.53	0.86	3.95	2.47	0.94	3.79	2.40	1.02	3.73	2.38	1.05	3.63	2.34	1.10	3.48	2.28	1.18
24.0	32	4.27	2.46	0.86	4.11	2.40	0.94	3.95	2.34	1.02	3.89	2.32	1.05	3.79	2.29	1.10	3.63	2.23	1.18

Heating **220V-240V 50Hz**

AFR	8.7

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	1.00	3.14	1.05	3.60	1.10	4.14	1.15	4.50	1.19
20.0	2.55	1.02	3.01	1.07	3.46	1.12	4.00	1.18	4.36	1.22
22.0	2.50	1.04	2.95	1.08	3.40	1.13	3.94	1.19	4.31	1.23
24.0	2.44	1.05	2.90	1.09	3.35	1.14	3.89	1.20	4.25	1.24
25.0	2.42	1.05	2.87	1.10	3.32	1.15	3.86	1.21	4.22	1.25
27.0	2.36	1.06	2.81	1.11	3.26	1.16	3.81	1.22	4.17	1.26

Symbols

AFR: Air flow rate (m^3/min.)
BF: Bypass factor
EWB: Entering wet bulb temp. (°C)
EDB: Entering dry bulb temp. (°C)
TC: Total capacity (kW)
SHC: Sensible heat capacity (kW)
PI: Power input (kW)

NOTES

1. Capacities are based on the following conditions.
   (1) Corresponding refrigerant piping lenght: 5m
   (2) Level difference: 0m
2. ▭ shows nominal (rated) capacities and power input.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ35B8V1B + RXS35J2V1B

Cooling **50 Hz 220V-240V**

AFR	10
BF	0.25

Indoor		Outdoor temperature:																	
		(°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.48	2.48	0.84	3.33	2.40	0.93	3.17	2.32	1.01	3.10	2.29	1.04	3.01	2.24	1.09	2.85	2.16	1.17
16.0	22	3.64	2.44	0.85	3.48	2.36	0.93	3.32	2.28	1.01	3.26	2.25	1.04	3.17	2.21	1.09	3.01	2.13	1.17
18.0	25	3.80	2.54	0.85	3.64	2.46	0.93	3.48	2.39	1.02	3.42	2.36	1.05	3.32	2.32	1.10	3.16	2.25	1.18
19.0	27	3.87	2.66	0.86	3.72	2.59	0.94	3.56	2.52	1.02	3.49	2.49	1.05	3.40	2.45	1.10	3.24	2.39	1.18
22.0	30	4.11	2.56	0.86	3.95	2.50	0.94	3.79	2.44	1.03	3.73	2.41	1.06	3.63	2.38	1.11	3.48	2.32	1.19
24.0	32	4.27	2.49	0.87	4.11	2.43	0.95	3.95	2.37	1.03	3.89	2.35	1.06	3.79	2.32	1.11	3.63	2.26	1.19

Heating **50 Hz 220V-240V**

AFR	10

Indoor	Outdoor temperature:									
	(°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	1.01	3.14	1.06	3.60	1.11	4.14	1.17	4.50	1.21
20.0	2.55	1.04	3.01	1.09	3.46	1.14	4.00	1.20	4.36	1.24
22.0	2.50	1.05	2.95	1.10	3.40	1.15	3.94	1.21	4.31	1.25
24.0	2.44	1.06	2.90	1.11	3.35	1.16	3.89	1.22	4.25	1.26
25.0	2.42	1.07	2.87	1.12	3.32	1.17	3.86	1.23	4.22	1.27
27.0	2.36	1.08	2.81	1.13	3.26	1.18	3.81	1.24	4.17	1.28

Symbols

AFR:	Air flowrate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Capacities are based on the following conditions.
   (1) Corresponding refrigerant piping lenght: 5m
   (2) Level difference: 0m
2. ☐ shows nominal (rated) capacities and power input.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHQ35BVV1B + RXS35J2V1B

Cooling **220V-240V 50 Hz**

AFR	13
BF	0.20

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.48	2.76	0.81	3.33	2.69	0.88	3.17	2.61	0.96	3.10	2.58	0.99	3.01	2.54	1.04	2.85	2.47	1.12
16.0	22	3.64	2.72	0.81	3.48	2.65	0.89	3.32	2.58	0.97	3.26	2.55	1.00	3.17	2.51	1.04	3.01	2.44	1.12
18.0	25	3.80	2.87	0.81	3.64	2.81	0.89	3.48	2.74	0.97	3.42	2.72	1.00	3.32	2.68	1.05	3.16	2.61	1.13
19.0	27	3.87	3.05	0.82	3.72	2.99	0.89	3.56	2.93	0.97	3.49	2.90	1.00	3.40	2.87	1.05	3.24	2.80	1.13
22.0	30	4.11	2.95	0.82	3.95	2.90	0.90	3.79	2.84	0.98	3.73	2.82	1.01	3.63	2.79	1.06	3.48	2.73	1.13
24.0	32	4.27	2.88	0.83	4.11	2.83	0.91	3.95	2.78	0.98	3.89	2.76	1.02	3.79	2.73	1.06	3.63	2.68	1.14

Heating **220V-240V 50 Hz**

AFR	13

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	0.94	3.14	0.98	3.60	1.03	4.14	1.08	4.50	1.12
20.0	2.55	0.96	3.01	1.01	3.46	1.06	4.00	1.11	4.36	1.15
22.0	2.50	0.97	2.95	1.02	3.40	1.07	3.94	1.12	4.31	1.16
24.0	2.44	0.98	2.90	1.03	3.35	1.08	3.89	1.13	4.25	1.17
25.0	2.42	0.99	2.87	1.03	3.32	1.08	3.86	1.14	4.22	1.17
27.0	2.36	1.00	2.81	1.04	3.26	1.09	3.81	1.15	4.17	1.18

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Capacities are based on the following conditions.
   (1) Corresponding refrigerant piping lenght: 5m
   (2) Level difference: 0m
2. ☐ shows nominal (rated) capacities and power input.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS35BAVMB + RXS35J2V1B

Cooling **50 Hz 220V-240V**

AFR	8.6
BF	0.35

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	2.72	1.92	0.87	2.72	1.92	0.95	2.72	1.92	1.03	2.72	1.92	1.07	2.72	1.92	1.12	2.72	1.92	1.20
16.0	22	3.34	2.14	0.87	3.34	2.14	0.96	3.34	2.14	1.04	3.34	2.14	1.07	3.26	2.10	1.12	3.10	2.01	1.21
18.0	25	3.91	2.42	0.88	3.75	2.34	0.96	3.58	2.26	1.04	3.52	2.22	1.08	3.42	2.17	1.13	3.26	2.09	1.21
19.0	27	3.99	2.51	0.88	3.83	2.43	0.96	3.66	2.34	1.05	3.60	2.31	1.08	3.50	2.27	1.13	3.34	2.19	1.21
22.0	30	4.23	2.40	0.89	4.07	2.33	0.97	3.90	2.26	1.05	3.84	2.23	1.09	3.74	2.19	1.14	3.58	2.12	1.22
24.0	32	4.39	2.32	0.89	4.23	2.26	0.98	4.07	2.19	1.06	4.00	2.16	1.09	3.90	2.13	1.14	3.74	2.06	1.23

Heating **50 Hz 220V-240V**

AFR	9.8

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	1.04	3.14	1.09	3.60	1.14	4.14	1.20	4.50	1.24
20.0	2.55	1.07	3.01	1.12	3.46	1.17	4.00	1.23	4.36	1.27
22.0	2.50	1.08	2.95	1.13	3.40	1.18	3.94	1.24	4.31	1.28
24.0	2.44	1.09	2.90	1.14	3.35	1.19	3.89	1.25	4.25	1.29
25.0	2.42	1.10	2.87	1.15	3.32	1.20	3.86	1.26	4.18	1.30
27.0	2.36	1.11	2.81	1.16	3.26	1.21	3.81	1.27	3.91	1.30

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Capacities are based on the following conditions.
   (1) Corresponding refrigerant piping lenght: 5m
   (2) Level difference: 0m
2. ☐ shows nominal (rated) capacities and power input.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS35J2V1B + RXS35J2V1B

Cooling **50 Hz 220V-240V**

AFR	11.4
BF	0.21

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.59	2.67	0.66	3.42	2.59	0.72	3.26	2.51	0.79	3.19	2.48	0.81	3.10	2.43	0.85	2.93	2.35	0.91
16.0	22	3.75	2.63	0.66	3.58	2.55	0.73	3.42	2.48	0.79	3.36	2.45	0.82	3.26	2.40	0.85	3.10	2.33	0.92
18.0	25	3.91	2.75	0.67	3.75	2.68	0.73	3.58	2.61	0.79	3.52	2.58	0.82	3.42	2.54	0.86	3.26	2.47	0.92
19.0	27	3.99	2.91	0.67	3.83	2.84	0.73	3.66	2.77	0.80	3.60	2.74	0.82	3.50	2.70	0.86	3.34	2.64	0.92
22.0	30	4.23	2.80	0.67	4.07	2.74	0.74	3.90	2.68	0.80	3.84	2.66	0.83	3.74	2.62	0.87	3.58	2.57	0.93
24.0	32	4.39	2.73	0.68	4.23	2.67	0.74	4.07	2.62	0.81	4.00	2.60	0.83	3.90	2.57	0.87	3.74	2.51	0.93

Heating **50 Hz 220V-240V**

AFR	12.1

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	2.69	0.80	3.14	0.84	3.60	0.88	4.14	0.93	4.50	0.96
20.0	2.55	0.82	3.01	0.86	3.46	0.90	4.00	0.95	4.36	0.98
22.0	2.50	0.83	2.95	0.87	3.40	0.91	3.94	0.96	4.31	0.99
24.0	2.44	0.84	2.90	0.88	3.35	0.92	3.89	0.97	4.25	1.00
25.0	2.42	0.85	2.87	0.89	3.32	0.92	3.86	0.97	4.22	1.00
27.0	2.36	0.85	2.81	0.89	3.26	0.93	3.81	0.98	4.17	1.01

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ▭ shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions.
   Corresponding refrigerant piping lenght: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS42J2V1B + RXS42J2V1B

Cooling **50 Hz 220V-240V**

AFR	11.3
BF	0.14

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.30	3.10	0.93	4.11	3.00	1.02	3.91	2.90	1.11	3.83	2.87	1.14	3.72	2.81	1.20	3.52	2.71	1.29
16.0	22	4.50	3.05	0.93	4.30	2.96	1.02	4.11	2.86	1.11	4.03	2.83	1.15	3.91	2.77	1.20	3.71	2.68	1.29
18.0	25	4.69	3.18	0.94	4.49	3.09	1.03	4.30	3.01	1.12	4.22	2.97	1.15	4.10	2.92	1.21	3.91	2.83	1.30
19.0	27	4.79	3.34	0.94	4.59	3.26	1.03	4.40	3.17	1.12	4.32	3.14	1.16	4.20	3.09	1.21	4.00	3.01	1.30
22.0	30	5.08	3.22	0.95	4.88	3.14	1.04	4.69	3.07	1.13	4.61	3.04	1.16	4.49	2.99	1.22	4.29	2.92	1.31
24.0	32	5.27	3.13	0.96	5.07	3.06	1.04	4.88	2.99	1.13	4.80	2.96	1.17	4.68	2.92	1.22	4.49	2.86	1.31

Heating **50 Hz 220V-240V**

AFR	12.2

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.64	1.23	4.24	1.29	4.85	1.35	5.59	1.42	6.07	1.47
20.0	3.45	1.26	4.06	1.32	4.67	1.38	5.40	1.45	5.89	1.50
22.0	3.37	1.27	3.98	1.33	4.59	1.39	5.33	1.46	5.81	1.51
24.0	3.30	1.29	3.91	1.34	4.52	1.40	5.25	1.48	5.74	1.52
25.0	3.26	1.29	3.87	1.35	4.48	1.41	5.21	1.48	5.70	1.53
27.0	3.19	1.30	3.80	1.36	4.41	1.42	5.14	1.50	5.63	1.54

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ▭ shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions.
   Corresponding refrigerant piping lenght: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXS50C7VMB + RXS50J2V1B

Cooling **50 Hz 220V-240V**

AFR	12.0
BF	0.11

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	3.92	2.76	1.13	3.92	2.76	1.29	3.92	2.76	1.44	3.92	2.76	1.50	3.92	2.76	1.59	3.92	2.76	1.74
16.0	22	4.81	3.08	1.22	4.81	3.08	1.37	4.81	3.08	1.51	4.79	3.07	1.57	4.65	3.00	1.64	4.42	2.88	1.76
18.0	25	5.58	3.47	1.28	5.35	3.35	1.40	5.12	3.23	1.52	5.02	3.18	1.57	4.88	3.11	1.65	4.65	3.00	1.77
19.0	27	5.70	3.59	1.28	5.47	3.47	1.41	5.23	3.36	1.53	5.14	3.31	1.58	5.00	3.24	1.65	4.77	3.13	1.77
22.0	30	6.04	3.44	1.30	5.81	3.33	1.42	5.58	3.23	1.54	5.49	3.19	1.59	5.35	3.13	1.66	5.11	3.03	1.78
24.0	32	6.27	3.32	1.30	6.04	3.23	1.42	5.81	3.13	1.55	5.72	3.10	1.60	5.58	3.04	1.67	5.34	2.95	1.79

Heating **50 Hz 220V-240V**

AFR	12.0

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.62	4.56	1.70	5.21	1.78	6.00	1.88	6.52	1.94
20.0	3.70	1.67	4.36	1.75	5.01	1.83	5.80	1.92	6.32	1.98
22.0	3.62	1.68	4.28	1.76	4.93	1.84	5.72	1.94	6.24	2.00
24.0	3.54	1.70	4.20	1.78	4.85	1.86	5.64	1.95	6.16	2.02
25.0	3.50	1.71	4.16	1.79	4.81	1.87	5.60	1.96	6.12	2.03
27.0	3.42	1.73	4.08	1.81	4.73	1.89	5.52	1.98	6.04	2.04

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ▭ shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables.
   (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions.
   Corresponding refrigerant piping lenght: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFQ50B8V1B + RXS50J2V1B

Cooling **50 Hz 230V**

AFR	12.0
BF	0.16

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.76	3.51	1.45	4.61	3.44	1.55	4.46	3.37	1.64	4.40	3.34	1.68	4.31	3.30	1.74	4.16	3.23	1.83
16.0	22	4.92	3.54	1.48	4.77	3.47	1.57	4.62	3.40	1.67	4.56	3.38	1.70	4.47	3.33	1.76	4.32	3.26	1.86
18.0	25	5.07	3.58	1.50	4.92	3.51	1.60	4.77	3.44	1.69	4.71	3.41	1.73	4.62	3.37	1.79	4.47	3.30	1.88
19.0	27	5.15	3.59	1.52	5.00	3.52	1.61	4.85	3.45	1.71	4.79	3.43	1.74	4.70	3.38	1.80	4.55	3.31	1.90
22.0	30	5.38	3.65	1.55	5.23	3.58	1.65	5.08	3.51	1.74	5.02	3.48	1.78	4.93	3.44	1.84	4.78	3.37	1.93
24.0	32	5.54	3.68	1.58	5.39	3.61	1.68	5.24	3.54	1.77	5.18	3.51	1.81	5.09	3.47	1.87	4.94	3.40	1.96

Heating **50 Hz 230V**

AFR	12.0

Indoor	Outdoor temperature: (°CWB)											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	2.76	1.41	3.43	1.51	4.09	1.60	4.76	1.70	5.56	1.82	6.09	1.90
18.0	2.73	1.48	3.40	1.58	4.06	1.67	4.73	1.77	5.53	1.89	6.06	1.97
20.0	2.70	1.55	3.37	1.65	4.04	1.74	4.70	1.84	5.50	1.96	6.03	2.04
21.0	2.69	1.58	3.36	1.68	4.02	1.78	4.69	1.88	5.49	2.00	6.02	2.07
22.0	2.68	1.62	3.34	1.72	4.01	1.81	4.67	1.91	5.47	2.03	6.00	2.11
24.0	2.65	1.69	3.32	1.79	3.98	1.89	4.65	1.98	5.45	2.10	5.98	2.18

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ▭ shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. SHC is based on each EWB and EDB.
   SHC*=SHC correction for other dry bulb.
   =0.02*AFR(m^3/min.)*(1-BF)*(DB*-EDB)
   Add SHC*TO SHC.
5. Capacities are based on the following conditions.
   Corresponding refrigerant piping lenght: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FLXS50BAVMB + RXS50J2V1B

Cooling **50 Hz 220-240V**

AFR	11.4
BF	0.18

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.96	3.26	1.37	4.81	3.19	1.47	4.66	3.12	1.56	4.60	3.09	1.60	4.51	3.05	1.66	4.36	2.98	1.75
16.0	22	5.12	3.30	1.40	4.97	3.23	1.49	4.82	3.16	1.59	4.76	3.13	1.62	4.67	3.09	1.68	4.52	3.02	1.78
18.0	25	5.27	3.33	1.42	5.12	3.26	1.52	4.97	3.19	1.61	4.91	3.16	1.65	4.82	3.12	1.71	4.67	3.05	1.80
19.0	27	5.35	3.35	1.44	5.20	3.28	1.53	5.05	3.21	1.63	4.99	3.18	1.66	4.90	3.14	1.72	4.75	3.07	1.82
22.0	30	5.58	3.40	1.47	5.43	3.33	1.57	5.28	3.26	1.66	5.22	3.23	1.70	5.13	3.19	1.76	4.98	3.12	1.85
24.0	32	5.74	3.43	1.50	5.59	3.36	1.60	5.44	3.29	1.69	5.38	3.26	1.73	5.29	3.22	1.79	5.14	3.15	1.88

Heating **50 Hz 220-240V**

AFR	12.1

Indoor	Outdoor temperature: (°CWB)											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.06	1.31	3.80	1.40	4.54	1.49	5.28	1.58	6.16	1.69	6.75	1.76
18.0	3.03	1.37	3.77	1.46	4.51	1.55	5.24	1.65	6.13	1.75	6.72	1.83
20.0	3.00	1.44	3.74	1.53	4.48	1.62	5.21	1.71	6.10	1.82	6.69	1.89
21.0	2.98	1.47	3.72	1.56	4.46	1.65	5.20	1.74	6.08	1.85	6.68	1.93
22.0	2.97	1.50	3.71	1.59	4.45	1.69	5.18	1.78	6.07	1.89	6.66	1.96
24.0	2.94	1.57	3.68	1.66	4.42	1.75	5.15	1.84	6.04	1.95	6.63	2.02

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions.
   Corresponding refrigerant piping lenght: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXS50J2V1B + RXS50J2V1B

Cooling **50 Hz 220V-240V**

AFR	11.6
BF	0.18

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.62	3.26	1.07	4.62	3.26	1.20	4.62	3.26	1.33	4.56	3.22	1.38	4.42	3.15	1.44	4.19	3.03	1.55
16.0	22	5.35	3.47	1.13	5.12	3.34	1.23	4.89	3.23	1.34	4.79	3.18	1.39	4.65	3.11	1.45	4.42	3.00	1.56
18.0	25	5.58	3.58	1.13	5.35	3.47	1.24	5.12	3.36	1.35	5.02	3.31	1.39	4.88	3.25	1.46	4.65	3.14	1.56
19.0	27	5.70	3.73	1.14	5.47	3.62	1.24	5.23	3.51	1.35	5.14	3.47	1.40	5.00	3.41	1.46	4.77	3.31	1.57
22.0	30	6.04	3.58	1.15	5.81	3.48	1.25	5.58	3.39	1.36	5.49	3.35	1.40	5.35	3.30	1.47	5.11	3.20	1.58
24.0	32	6.27	3.47	1.15	6.04	3.38	1.26	5.81	3.30	1.37	5.72	3.26	1.41	5.58	3.21	1.48	5.34	3.13	1.58

Heating **50 Hz 220V-240V**

AFR	12.1

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.29	4.56	1.36	5.21	1.42	6.00	1.50	6.52	1.55
20.0	3.70	1.33	4.36	1.39	5.01	1.45	5.80	1.53	6.32	1.58
22.0	3.62	1.34	4.28	1.41	4.93	1.47	5.72	1.54	6.24	1.59
24.0	3.54	1.36	4.20	1.42	4.85	1.48	5.64	1.56	6.16	1.61
25.0	3.50	1.36	4.16	1.43	4.81	1.49	5.60	1.56	6.12	1.61
27.0	3.42	1.38	4.08	1.44	4.73	1.50	5.52	1.58	6.04	1.63

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ▭ shows nominal (rated) capacities and power input.
3. TC, PI and SHC must be calculated by interpolation using the figures in the above tables. (Figures out of the tables should not be used for calculation.)
4. About SHC which are not mentioned on the table, please calculate them with around values in direct proportion.
5. Capacities are based on the following conditions.
   Corresponding refrigerant piping lenght: 5m
   Level difference: 0m
6. Air flow rate (AFR) and Bypass factor (BF) are tabulated above table.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXS50FV1B + RXS50J2V1B

Cooling **50 Hz 220V-240V**

AFR	10.7
BF	0.13

Indoor		Outdoor temperature: (°CDB)																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20	4.53	3.19	1.13	4.53	3.19	1.27	4.53	3.19	1.41	4.53	3.19	1.46	4.42	3.13	1.53	4.19	3.01	1.65
16.0	22	5.35	3.45	1.20	5.12	3.33	1.31	4.89	3.21	1.43	4.79	3.16	1.47	4.65	3.09	1.54	4.42	2.98	1.65
18.0	25	5.58	3.56	1.20	5.35	3.45	1.32	5.12	3.34	1.43	5.02	3.29	1.48	4.88	3.23	1.55	4.65	3.12	1.66
19.0	27	5.70	3.71	1.21	5.47	3.60	1.32	5.23	3.49	1.44	5.14	3.45	1.48	5.00	3.39	1.55	4.77	3.28	1.66
22.0	30	6.04	3.56	1.22	5.81	3.46	1.33	5.58	3.37	1.45	5.49	3.33	1.49	5.35	3.27	1.56	5.11	3.18	1.67
24.0	32	6.27	3.45	1.22	6.04	3.36	1.34	5.81	3.27	1.45	5.72	3.24	1.50	5.58	3.19	1.57	5.34	3.10	1.68

Heating **50 Hz 220V-240V**

AFR	11.8

Indoor	Outdoor temperature: (°CWB)									
EDB	-10		-5		0		0		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15.0	3.90	1.35	4.56	1.42	5.21	1.48	6.00	1.56	6.52	1.62
20.0	3.70	1.39	4.36	1.46	5.01	1.52	5.80	1.60	6.32	1.65
22.0	3.62	1.40	4.28	1.47	4.93	1.54	5.72	1.61	6.24	1.67
24.0	3.54	1.42	4.20	1.48	4.85	1.55	5.64	1.63	6.16	1.68
25.0	3.50	1.43	4.16	1.49	4.81	1.56	5.60	1.64	6.03	1.68
27.0	3.42	1.44	4.08	1.51	4.73	1.57	5.52	1.65	5.64	1.68

Symbols

AFR:	Air flow rate	(m^3/min.)
BF:	Bypass factor	
EWB:	Entering wet bulb temp.	(°C)
EDB:	Entering dry bulb temp.	(°C)
TC:	Total capacity	(kW)
SHC:	Sensible heat capacity	(kW)
PI:	Power input	(kW)

NOTES

1. Capacities are based on the following conditions.
   Corresponding refrigerant piping lenght: 7.5 m
   Level difference: 0 m
2. ☐ shows nominal (rated) capacities and power input.

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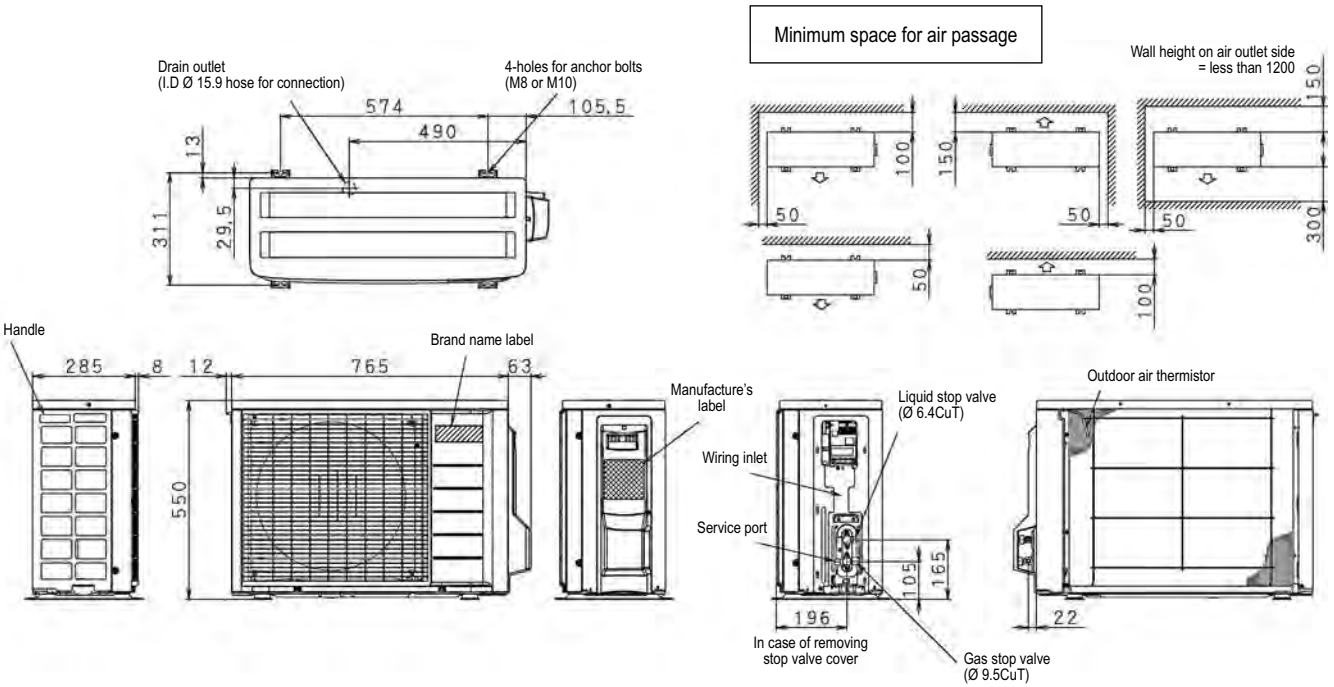
5 Dimensional drawings

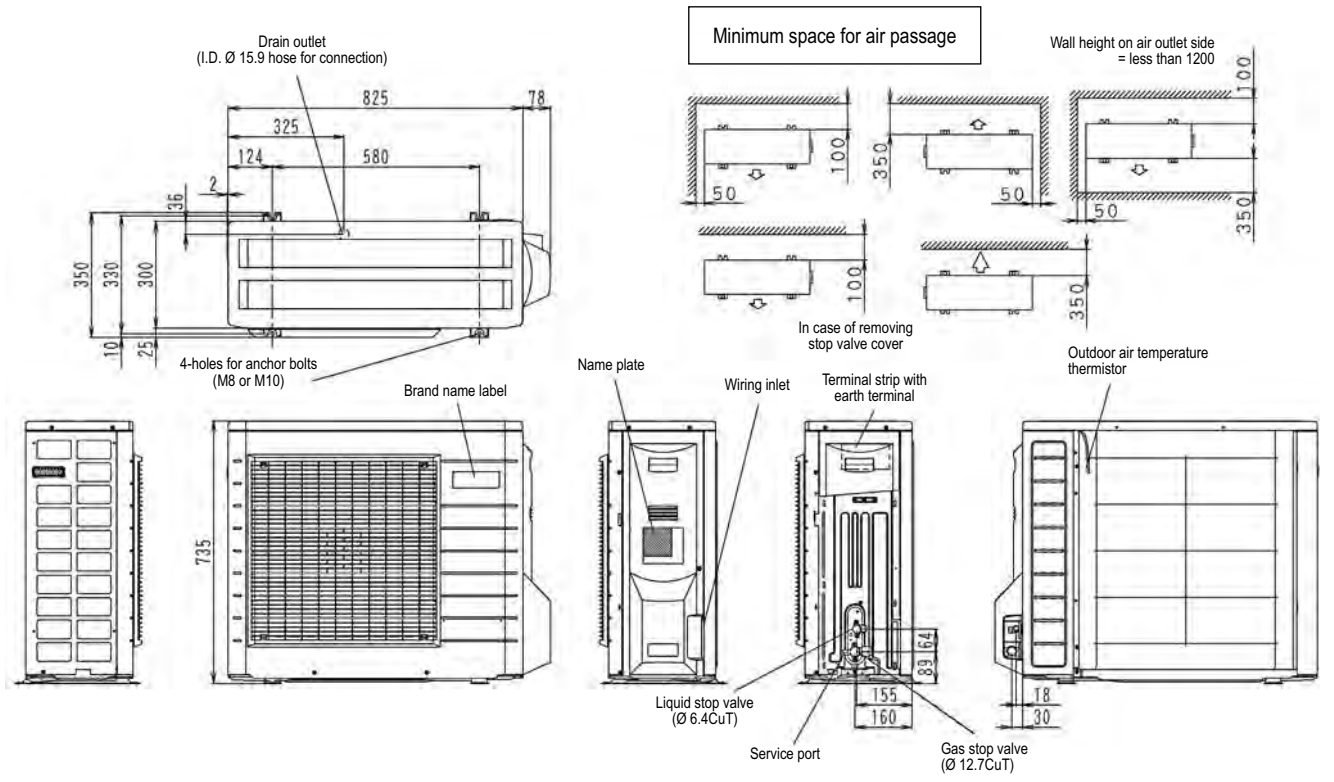
5 - 1 Dimensional Drawings

RXS20-42J2V1B



3D055546C

RXS50J2V1B

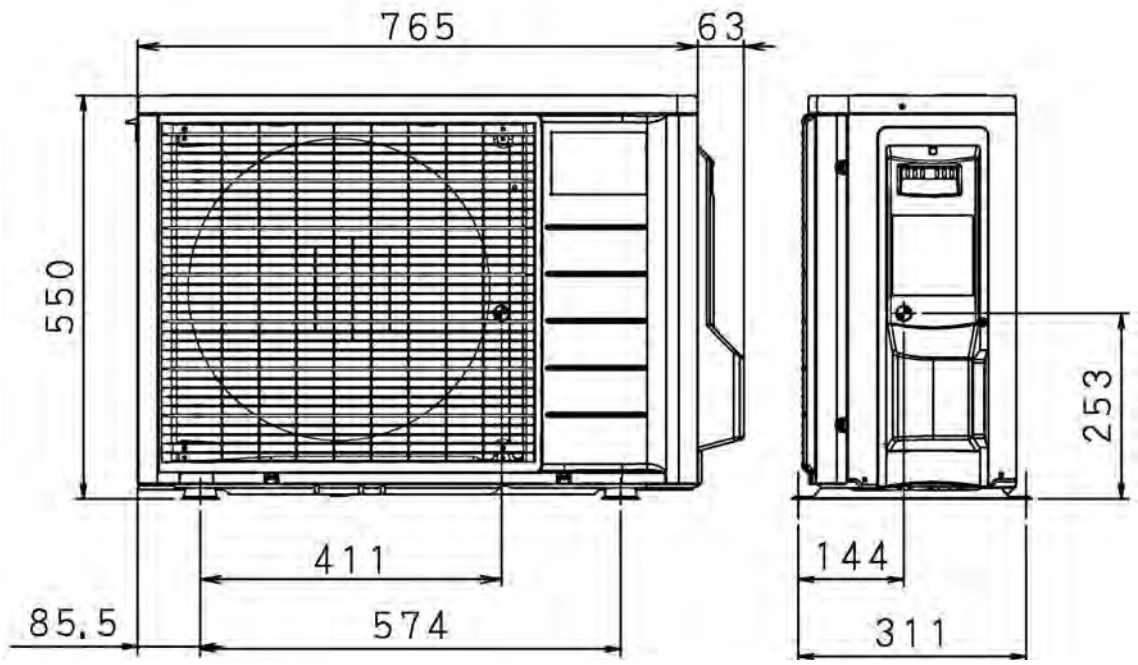


3D051657Q

6 Centre of gravity

6 - 1 Centre of Gravity

RXS20-35J2V1B



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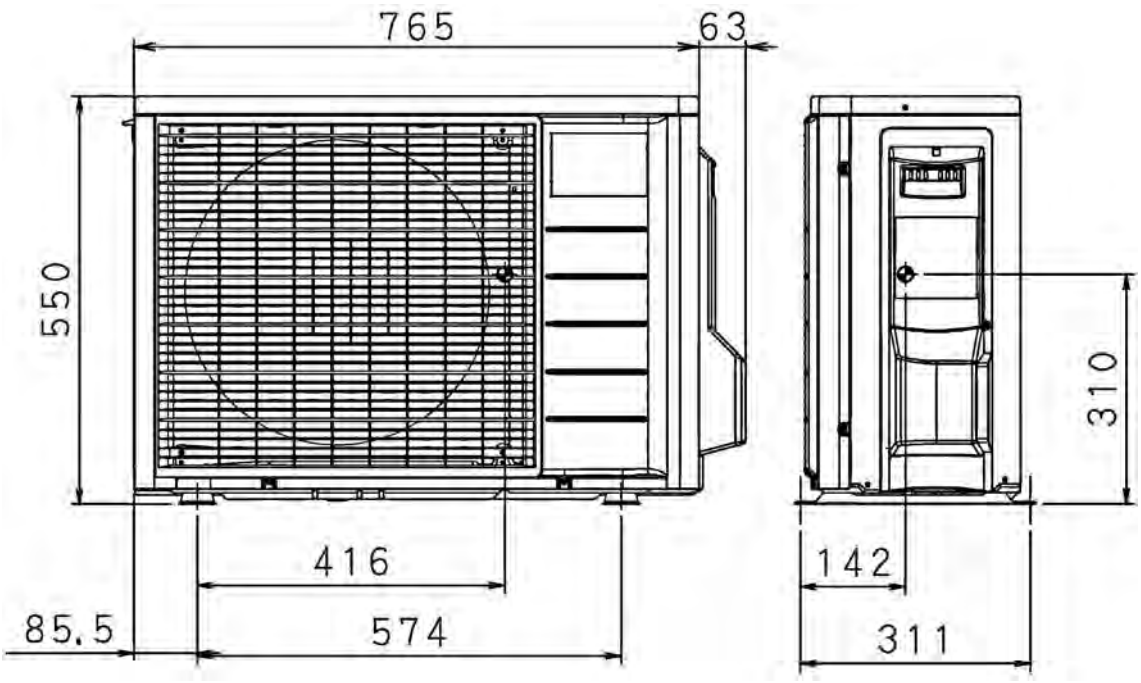
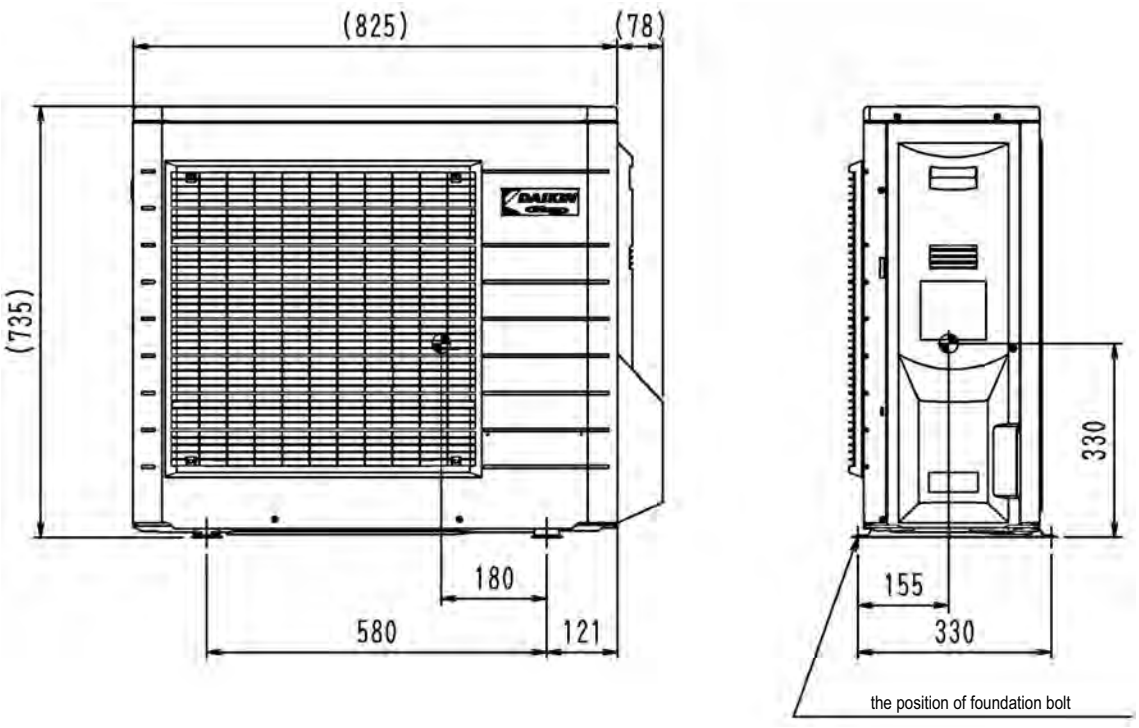


4D059009E

6 Centre of gravity

6 - 1 Centre of Gravity

RXS50J2V1B

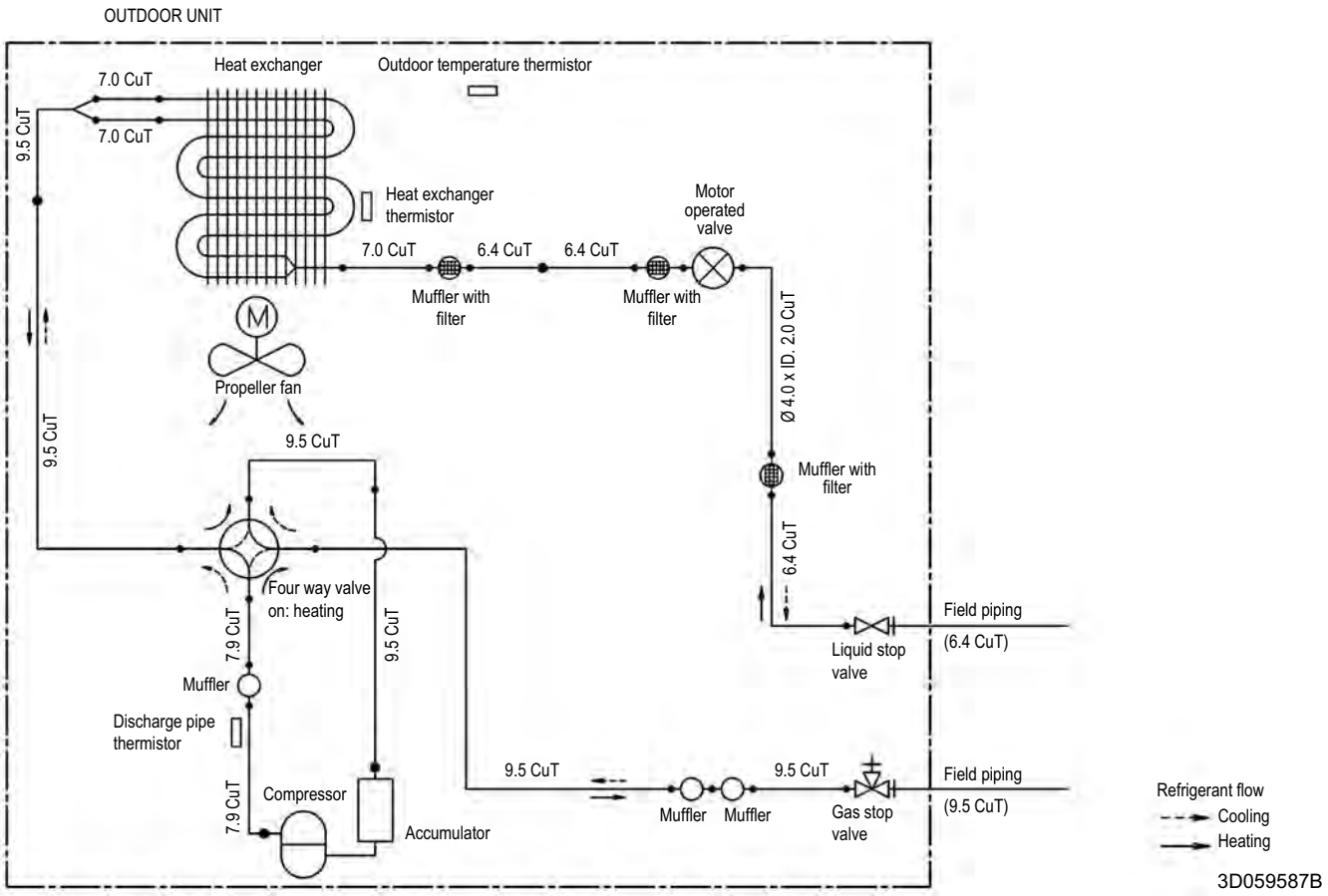


4D051638Q

7 Piping diagrams

7 - 1 Piping Diagrams

RXS20J2V1B



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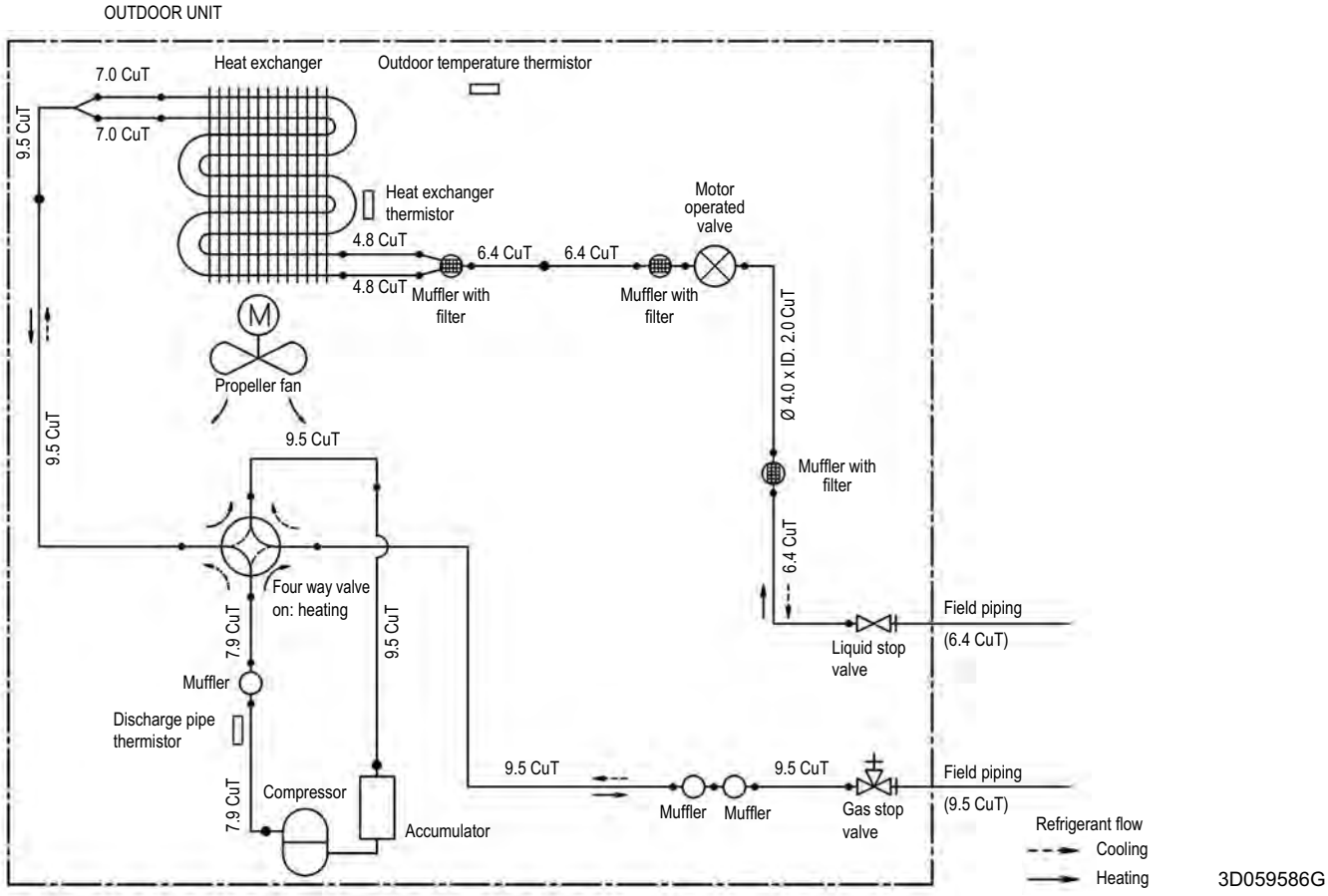

7 Piping diagrams

7 - 1 Piping Diagrams

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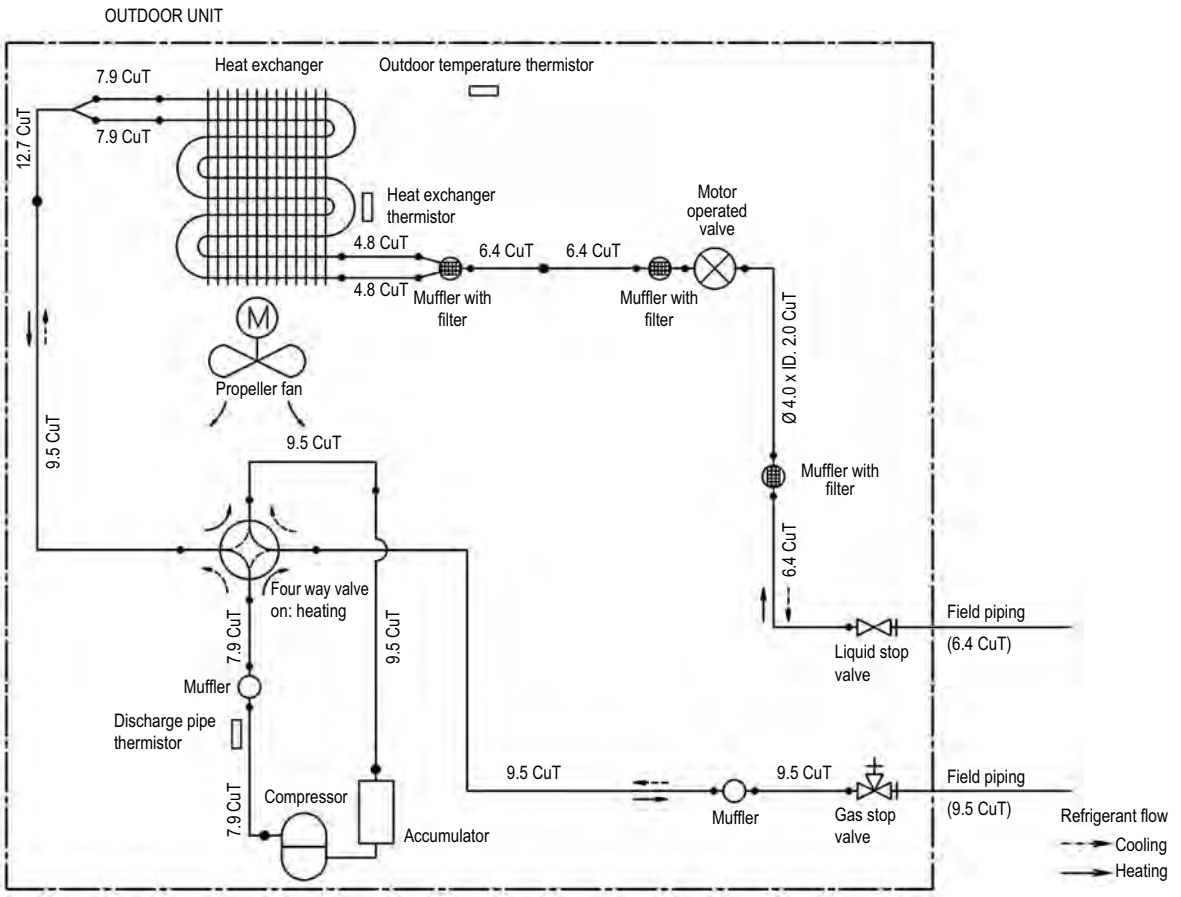

3D059590B

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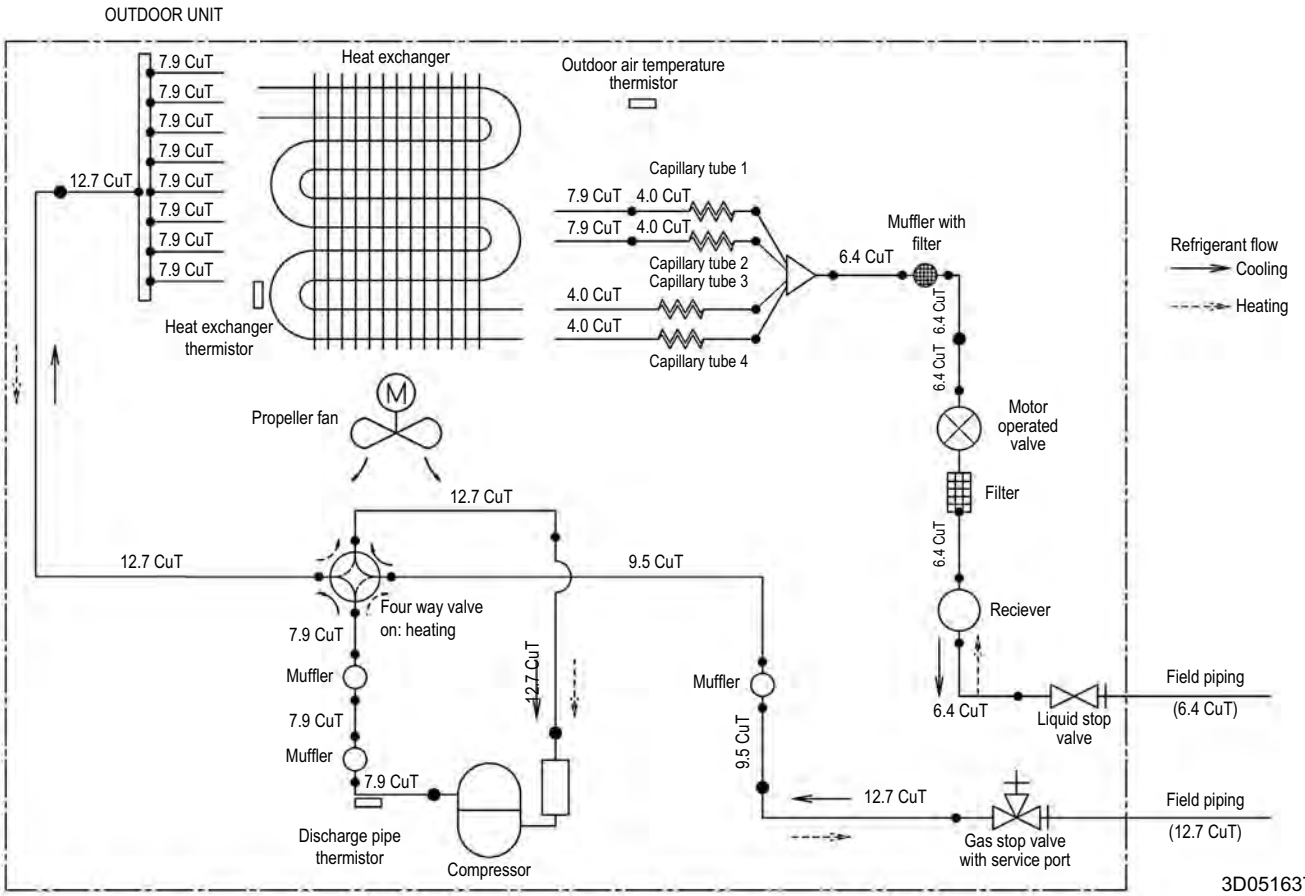

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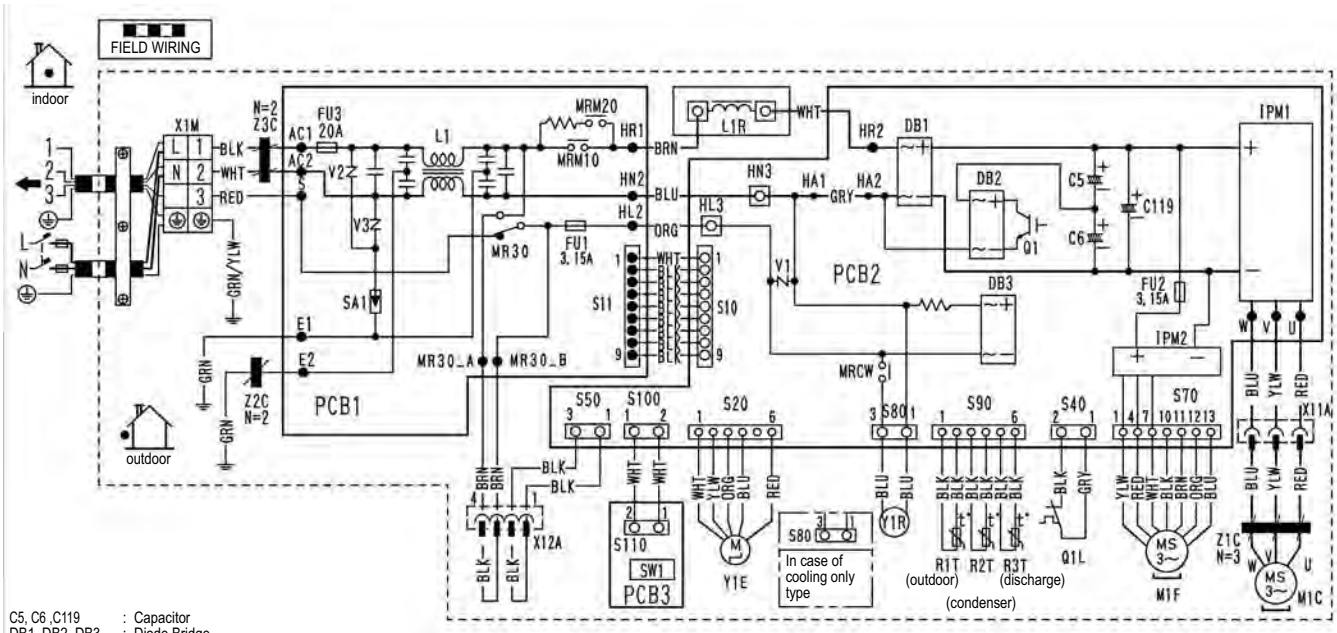
8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXS20-35J2V1B



C5, C6 ,C119	: Capacitor	HN3, X11A, X12A	: Connector
DB1, DB2, DB3	: Diode Bridge	R1T, R2T, R3T	: Thermistor
FU1, FU2, FU3	: Fuse	SA1	: Surge Arrester
IPM1, IPM2	: Instelligent Power Module	SW1	: Forced operation switch
L	: Live	V1, V3, V4	: Varistor
L1	: Coil	X1M	: Terminal Strip
L1R	: Reactor	Y1E	: Electronic Expansion Valve Coil
M1C	: Compressor Motor	Y1R	: Reversing solenoide valve coil
M1F	: Fan motor	Z1C, Z2C, Z3C	: Ferrite Core
MRCW, MR30, MRM10, MRM20	: Magnetic Relay	⏚	: Protective Earth
N	: Neutral		
Q1L	: Overload Protector		
PCB1, PCB2, PCB3	: Printed Circuit Board		
S10, S11, S20, S40, S50, S70, S80, S90, S100, S110, HL3,			

BLK	: Black	ORG	: Orange
BLU	: Blue	RED	: Red
BRN	: Brown	WHT	: White
GRN	: Green	YLW	: Yellow

NOTES

1. Refer to the nameplate for power requirements.
2. Size: Length 105 x width 185.
3. Refer to purchasing specification AS(Y)303002, unless otherwise specified.
4. This drawing was drawn on CAD system.

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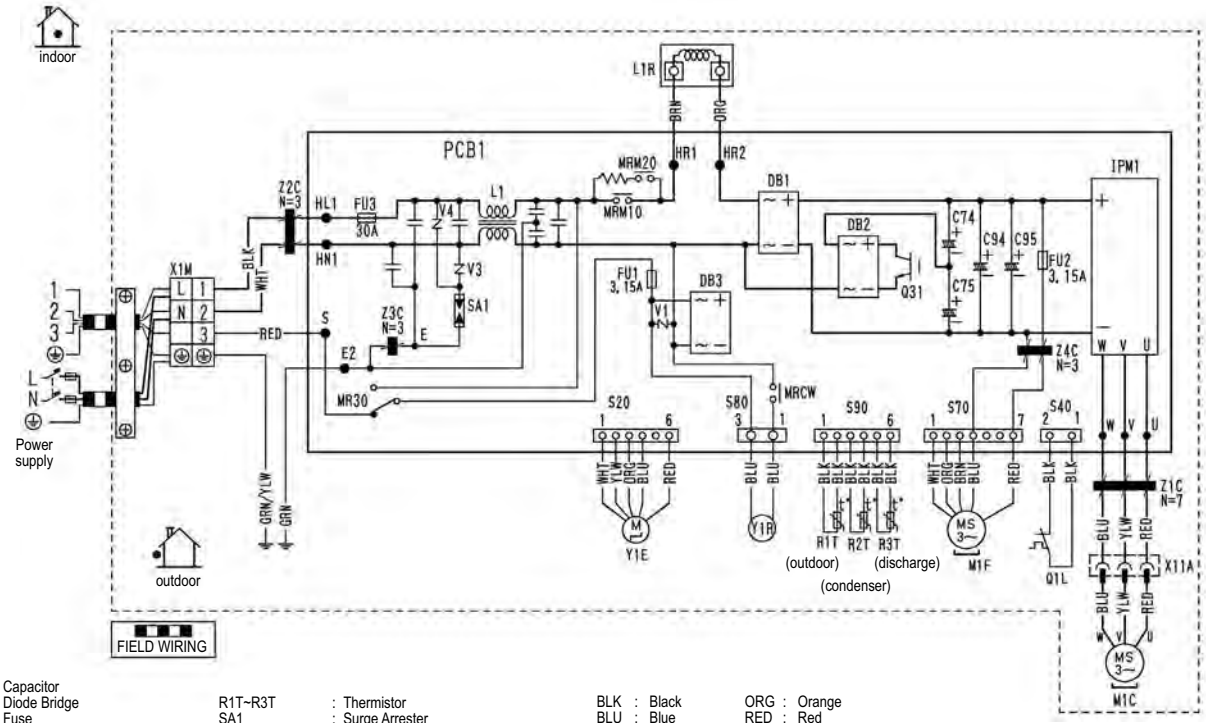
RXS42J2V1B



C74, C75 ,C94, C95	: Capacitor	R1T~R3T	: Thermistor
DB1, DB2, DB3	: Diode Bridge	SA1	: Surge Arrester
FU1, FU2, FU3	: Fuse	Q31	: IGBT
IPM1	: Instelligent Power Module	V1, V3, V4	: Varistor
L	: Live	X1M	: Terminal Strip
L1	: Coil	Y1E	: Electronic Expansion Valve Coil
L1R	: Reactor	Z1C, Z2C, Z3C, Z4C	: Ferrite Core
M1C	: Compressor Motor	S20, S40, S70, S80, S90	
M1F	: Fan motor	X11A	: Connector
MRCW, MRM10, MRM20, MR30	: Magnetic Relay	⏚	: Protective Earth
N	: Neutral		
PCB1	: Printed Circuit Board		
Q1L	: Overload Protector		

BLK	: Black	ORG	: Orange
BLU	: Blue	RED	: Red
BRN	: Brown	WHT	: White
GRN	: Green	YLW	: Yellow

NOTES

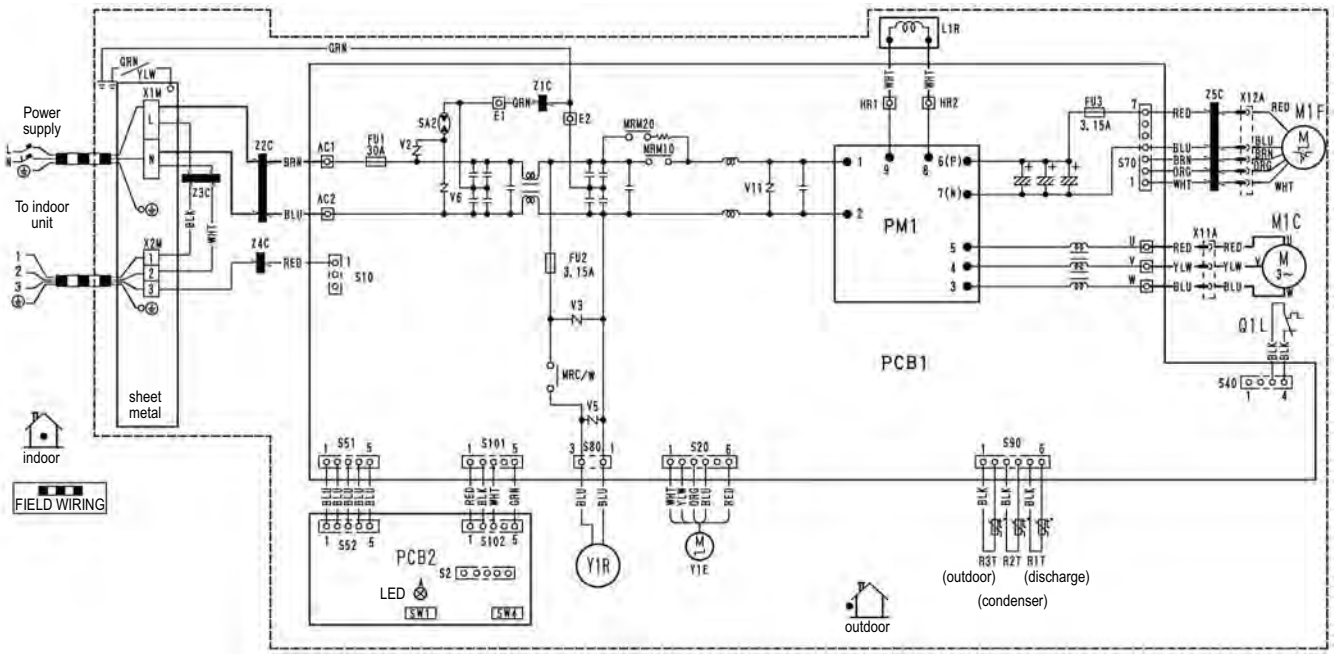
1. Refer to purchasing specification AS303002, unless otherwise specified.
2. This drawing was drawn on CAD system.
3. The electric wiring diagram label is 3P210678-1.

3D059601A

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXS50J2V1B



Z1C~Z5C	:	Ferrite Core	S2~S102	:	Connector
X1M, X2M	:	Terminal Strip	Leda	:	Pilot lamp
Y1E	:	Electronic Expansion Valve Coil	L	:	Live
			N	:	Neutral
V2, V3, V5, V6, V11	:	Varistor	SW1	:	Forced operation on/off SW (SW1)
SA2	:	Surge Arrester	SW4	:	Localsetting SW (SW4)
FU1, FU2, FU3	:	Fuse	M1C	:	Compressor motor
AC1, AC2			M1F	:	Fan motor
U, V, W, X11A, X12A			L1R	:	Reactor
E1, E2			Q1L	:	Overload protector
HR1, HR2	:	Connector	PM1	:	Power module
MRM10, MRM20			PCB1, 2	:	Printed circuit board
MRC/W	:	Magnetic Relay	Y1R	:	Reversing sorenoid valve coil
R1T~R3T	:	Thermistor	Sheet metal	:	Terminal strip fixed plate

NOTES

1. Refer to purchasing specification AS303002, unless otherwise specified.
2. This drawing was drawn on CAD system.
3. The electric wiring diagram label is 3P193830-1.

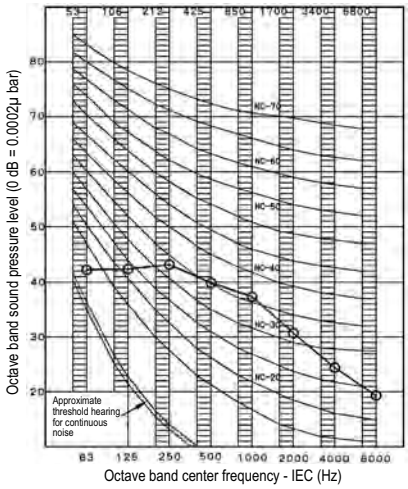
3D056095D

9 Sound data

9 - 1 Sound Pressure Spectrum

RXS20-25J2V1B

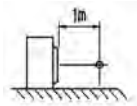
Cooling



NOTES

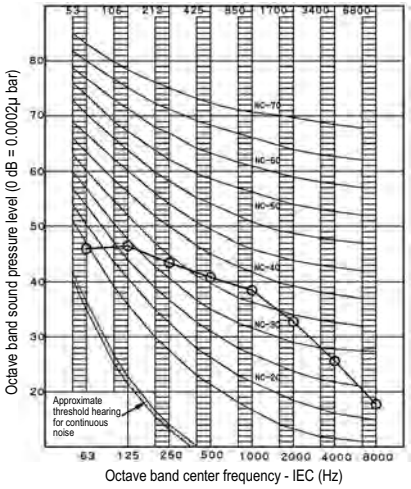
Scale	50Hz 220-240V
A	46

1 Over All (dB):
(B,G,N is already rectified)
2 Measuring place: measure in anechoic room.
3 Operating conditions: Power source 220~240V, 50Hz
4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



5 Cooling o—o
6 Operation noise differs with operation and ambient conditions.

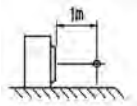
Heating



NOTES

Scale	50Hz 220-240V
A	47

1 Over All (dB):
(B,G,N is already rectified)
2 Measuring place: measure in anechoic room.
3 Operating conditions: Power source 220~240V, 50Hz
4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

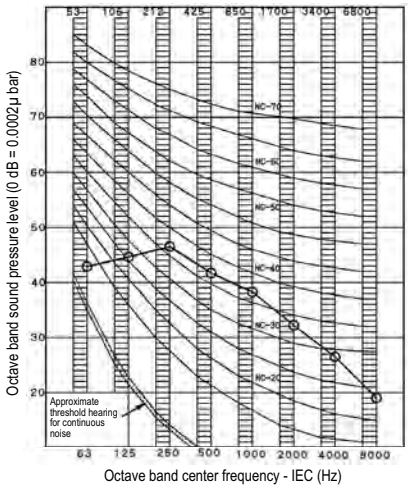


5 Heating o—o

3D059599B

RXS35J2V1B

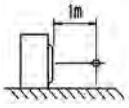
Cooling



NOTES

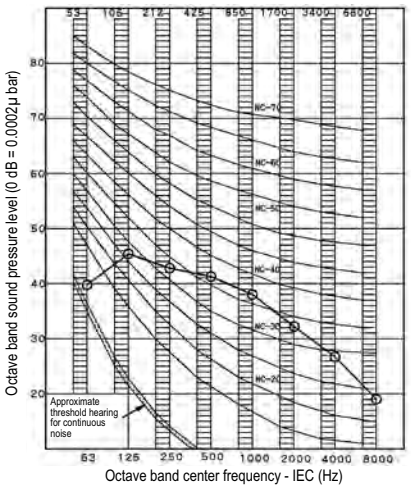
Scale	50Hz 220-240V
A	48

1 Over All (dB):
(B,G,N is already rectified)
2 Measuring place: measure in anechoic room.
3 Operating conditions: Power source 220~240V, 50Hz
4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



5 Cooling o—o
6 Operation noise differs with operation and ambient conditions.

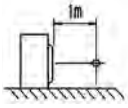
Heating



NOTES

Scale	50Hz 220-240V
A	48

1 Over All (dB):
(B,G,N is already rectified)
2 Measuring place: measure in anechoic room.
3 Operating conditions: Power source 220~240V, 50Hz
4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612



5 Heating o—o

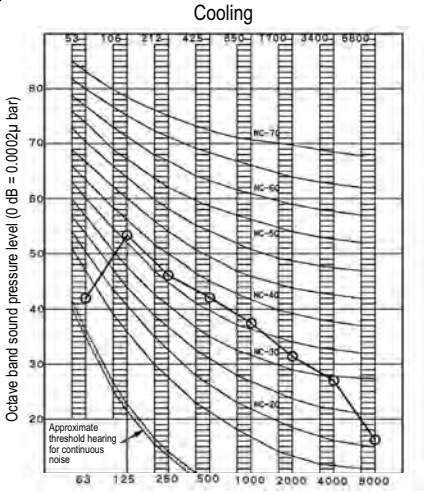
3D059593D

9 Sound data

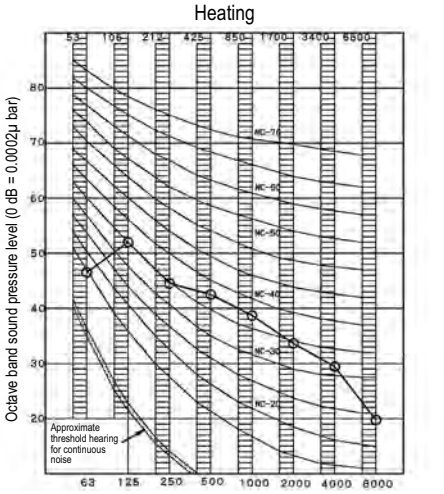
9 - 1 Sound Pressure Spectrum

RXS42J2V1B

Cooling


53 106 212 425 850 1700 3400 6800
Octave band sound pressure level (0 dB = 0.0002μ bar)
80 70 60 50 40 30 20
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Approximate threshold hearing for continuous noise
63 125 250 500 1000 2000 4000 8000
Octave band center frequency - IEC (Hz)

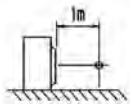
Heating


53 106 212 425 850 1700 3400 6800
Octave band sound pressure level (0 dB = 0.0002μ bar)
80 70 60 50 40 30 20
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Approximate threshold hearing for continuous noise
63 125 250 500 1000 2000 4000 8000
Octave band center frequency - IEC (Hz)

NOTES

Scale	50Hz 220-240V (H)
A	48

1 Over All (dB):
(B,G,N is already rectified)
2 Measuring place: measure in anechoic room.
3 Operating conditions: Power source 220~240V, 50Hz
4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

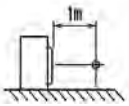


5 Cooling ○—○
6 Operation noise differs with operation and ambient conditions.

NOTES

Scale	50Hz 220-240V (H)
A	48

1 Over All (dB):
(B,G,N is already rectified)
2 Measuring place: measure in anechoic room.
3 Operating conditions: Power source 220~240V, 50Hz
4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612

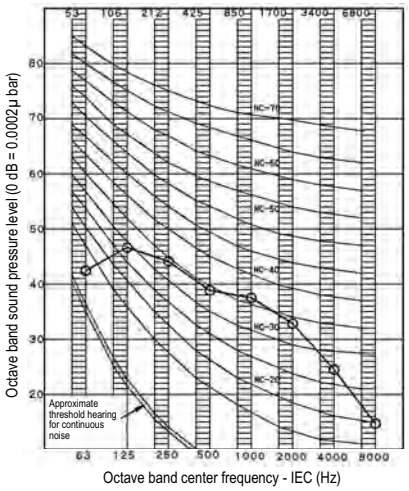


5 Heating ○—○

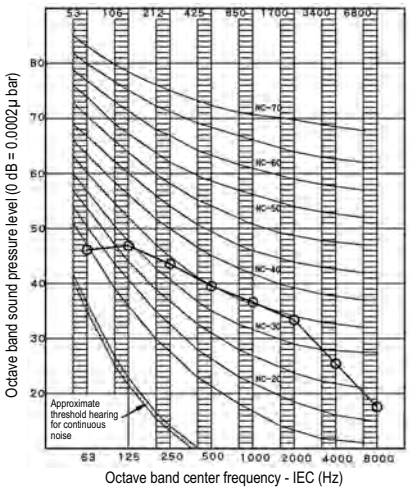
3D059597B

RXS50J2V1B

Cooling


53 106 212 425 850 1700 3400 6800
Octave band sound pressure level (0 dB = 0.0002μ bar)
80 70 60 50 40 30 20
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Approximate threshold hearing for continuous noise
63 125 250 500 1000 2000 4000 8000
Octave band center frequency - IEC (Hz)

Heating


53 106 212 425 850 1700 3400 6800
Octave band sound pressure level (0 dB = 0.0002μ bar)
80 70 60 50 40 30 20
NC-70
NC-60
NC-50
NC-40
NC-30
NC-20
Approximate threshold hearing for continuous noise
63 125 250 500 1000 2000 4000 8000
Octave band center frequency - IEC (Hz)

NOTES

Scale	50Hz 220-240V
A	48

1 Over All (dB):
(B,G,N is already rectified)
2 Measuring place: measure in an echoic room.
3 Operating conditions: Power source 220~240V, 50Hz
4 Location of microphone.
JISC9612
The operation noise measuring method is in accordance with JISC9612
5 Cooling ○—○ 50 Hz 220-240V
6 Operation noise differs with operation and ambient conditions.

NOTES

Scale	50Hz 220-240V
A	48

1 Over All (dB):
(B,G,N is already rectified)
2 Operating conditions: Power source 220~240V, 50Hz
3 Heating ○—○ 50 Hz 220-240V

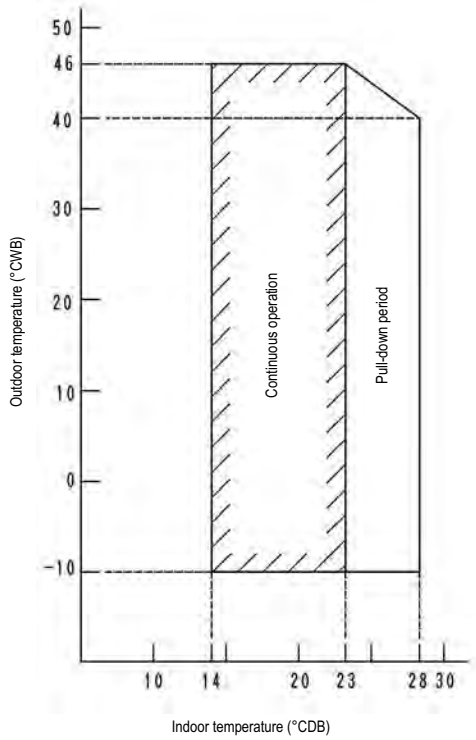
3D059740B

10 Operation range

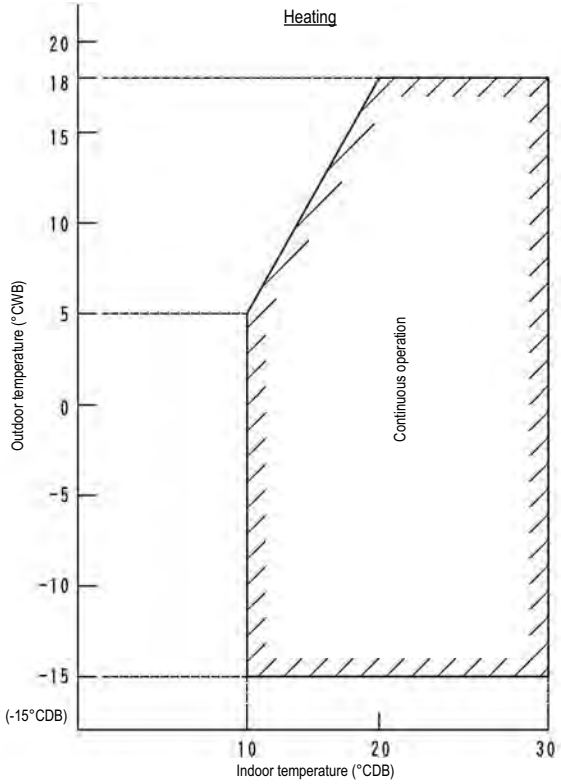
10 - 1 Operation Range

RXS20-50J2V1B

Cooling



Heating



NOTES

The graphs are based on the following conditions.

- Equivalent piping length 7.5 m
- Level difference 0 m
- Air flow rate High

3D028318Q

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